




Old Main
Building
1859

LIBRARY OF
THE PENNSYLVANIA STATE UNIVERSITY
PENN STATE COLLECTION



Digitized by the Internet Archive
in 2012 with funding from
LYRASIS Members and Sloan Foundation

PENN STATE intercom

Volume 3, Number 1

September 6, 1973

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

News in Brief

ABOARD THE STANELA

Dr. Jon N. Weber, associate professor of marine geology, was chief scientist aboard the Smithsonian Institution research vessel, Stanela, during August. The vessel, owned and operated by the Smithsonian tropical research institute in Panama, was used to conduct surveys of coral reefs and other marine wildlife in the Archipelago Las Perlas, Eastern Pacific Ocean. The scientists aboard sought to identify suitable sites for future research studies in the region.

FOREST ACOUSTICS

Dr. Gerhard Reethof, Alcoa Professor of Mechanical Engineering and director of the Noise Control Laboratory, has been given an 18-month contract to do research in the area of "forest acoustics." The grant is from the Pinchot Consortium for Environmental Forestry Studies, a group of universities which, along with the U.S.D.A. Forest Service Northeastern Forest Experiment Station, is concerned with developing a sound approach to research required to understand, protect, and improve the amenity values of forest vegetation in the metropolitan complex.

BOOKSTORE HOURS

The University Park bookstore invites the faculty to inspect the quarters in McAllister Building and reminds that the hours of operation will be variable for a short time at the start of the Fall Term. Today (Sept. 6) and tomorrow, the store will be open from 8:30 a.m. to 8:30 p.m.; Saturday, Sept. 8, the hours will be from 9 a.m. to 4 p.m.; Monday-Wednesday, Sept. 10-12, 8:30 a.m. to 8:30 p.m.

PILOT GROUND SCHOOL

Persons aiming to become private airplane pilots will have a chance to go to ground school at Delaware County Campus

this fall. The course, which will cover such topics as aerodynamics, weight and balance, aircraft performance, meteorology, and navigation, will provide comprehensive preparation for the written Private Pilot's Examination. An instrument flight ground school is also being offered, to give students with a private pilot's license or equivalent training with the preparation needed for the written examination for instrument rating. Classes in both courses get underway in mid-September.

CLEP EXAM AT CAPITOL

An examination in Afro-American history has been added to those in the College Level Entrance Examination Program (CLEP) which is given monthly at the Central Pennsylvania Test Center at Capitol Campus. The test is designed to measure knowledge and understanding of material usually covered in a one-semester survey course in Afro-American history.

NEW FACULTY ART

Sculptures, photographs, paintings, prints, and graphics created by new department of art faculty members are featured in a show currently on exhibit in the Zoller Gallery of the Visual Arts Building. The show closes September 15.

Recently appointed art faculty members whose works are represented in the show include Patricia Carroll, Rob Fisher, William Kinser, Stephen Porter, Joseph Ramos, and Nina Rosenblum.

BLUE COURSE CLOSED

Beginning Monday, Sept. 10, the Blue Golf Course, west of the campus, will be closed for extensive alterations, including repairs to all greens, installation of new women's tees, and additions to the driving range. The white course, across Rt. 322 from Rec Hall, will remain open for play.

Use of writing clinic urged

Over the past year, the English Department has expanded the services of the Writing Clinic. Relocated in new quarters (Rooms 203, 204, 205 of the Liberal Arts Building), the Writing Clinic is open weekdays from 8:30 a.m. to 12:30 p.m. and 1:30-4:30 p.m. Lynn Christy, associate professor of English composition, is the director. Phone: 865-1552.

The purpose of the Writing Clinic is to provide supplementary assistance to students with deficiencies in written expression. Its main clientele are students concurrently enrolled in English 1, although it is open to any Penn State student with writing problems.

For the first time in Fall term 1973, all entering freshmen who perform un-

satisfactorily on the English Placement Test will have the phrase "recommended for Writing Clinic" printed on their student profile forms. This is to alert counselors as well as students to a possible writing problem, so that each student can seek assistance at his earliest convenience.

Students should inform their English 1 instructor of their deficiency, so that arrangements can be made for enrollment in the Clinic. Students who fail the mid-term Minimum Essentials Test in English 1 will be automatically assigned to the Clinic. Attendance at the Clinic is voluntary, but experience indicates that students who seek help early in the term tend to pass the Minimum Essentials Test and indeed the final examination in English 1.

Lowenstein to speak Saturday

Allard Lowenstein, former New York State representative to Congress and president of the Americans for Democratic Action in 1971-72, will speak in Schwab Auditorium, Saturday, Sept. 8, at 8 p.m. The talk is sponsored by the Student Affairs Office and Student Orientation Committee as an activity of Orientation Week.

Admission is free and the lecture is open to the public.

Lowenstein, currently a National Committeeman of the Democratic Party, was the national leader of the "Dump Johnson" movement and of Registration Summer, 1971, when a voter registration drive was launched to encourage 18-21 year-olds to vote. Earlier, he organized the first important voter registration drive in Mississippi. An attorney, Lowenstein has also lectured widely in colleges and universities.

To provide year-round programs of academic concern

Groups cooperate for new Colloquy

Colloquy is new; the old Colloquy which for four years has brought outstanding programs to the academic community, largely in the Spring Term, has been completely reorganized "to provide a wide range of programming for the entire campus community — students, faculty, and townspeople — during the entire year."

In effect, too, only the name is the same, since the new Colloquy is an amalgamation of four student organizations — Free U, Graduate Student Association, University Union Board, and the old Colloquy — which are now cooperating to bring a variety of academic programming, in the form of seminars, colloquiums, lectures, workshops, etc., to appeal to the entire community.

The new organization grew out of a realization that the four organizations were often duplicating their efforts and compounding their scheduling and publicity problems by carrying on their separate programs. Some events found limited success because of organizational and promotional problems.

The new Colloquy was formed, therefore, with a view to presenting a cooperative front in presenting student-sponsored academic programs. An executive board was formed with two members each from GSA, UUB, and Free U, a member of the University Faculty Senate, a member from the Associated Student Activities office, and the chairman of three committees: speaker coordination, programming, and publicity.

The entire Colloquy organization, however, is open for membership to any full-time student at Penn State.

An introduction to the U.S.

Swiss artists to be exhibited here

The introduction to America of the work of three Swiss artists — Augusto Giacometti, Giovanni Giacometti, and Cuno Amiet — who are all well-known in Europe, will take place on the Penn State campus in an exhibit occupying much of the Museum of Art in the period of Sept. 23 to Nov. 3.

Through the efforts of Dr. George L. Mauner, professor of art history, and William Hall, director of the Museum, the oils, watercolors, and drawings acquired from museums and private collections will constitute undoubtedly the finest single exhibit ever shown at the University.

Augusto Giacometti, born in 1877, as early as 1898 produced a pastel abstraction, 12 years before the famous watercolor by Kandinsky which was once considered

the first abstract painting. Giovanni Giacometti, cousin of Augusto and father of the sculptor Alberto, born in 1868, was in his later years identified with modernistic art in Switzerland. Cuno Amiet, who was a friend of Giovanni's, was also born in 1868; he painted until shortly before his death in 1961. His art showed many influences and changed character many times in his long career.

From Penn State, the show will travel to the Utica, N.Y., Munson-Williams-Proctor Museum, to the Busch-Reisinger Museum at Harvard, and to the Guggenheim Museum in New York City.

Aid for the show comes from the Pro Helvetia Foundation, Zurich, Switzerland, and a catalog for the show has been written by the Ciba-Geigy Corp., Swiss firm. Although Colloquy will have primary control of academic programs provided by the students, other organizations are in no way limited in scheduling their own speakers, conferences, etc. Colloquy only suggests that when other organizations plan a program of campus-wide interest that they cooperate with Colloquy in such matters as scheduling and publicity.

Allen Miller, a member of Colloquy's executive board, makes it clear that the organization has no concern with "popular entertainment," which includes concerts, movies, plays, etc.

He also makes it clear that faculty and student input are welcomed (a call to the Associated Student Activities office in the HUB will be adequate to initiate a contact). For example, if a speaker is coming to the campus to address a specialized seminar or colloquium group, he might also be available to give a more generalized talk to the entire academic community. Colloquy would like to know about it, and the executive board would develop the scheduling and promotional aspects of the talk if it approved the project.

"All the programs are free and open to the public," Miller points out. "We want to bring to the community people that might not otherwise be seen or heard here and we want to develop programs ranging from one-night stands to four-day conferences that are interesting and relevant."

The first event planned by Colloquy is a three-day program related to the Science Fiction conference being held next week. The entire program is noted elsewhere in INTERCOM.

New learning laboratory opens

Listening-Learning Services announces the opening of a newly remodelled multimedia Learning Laboratory located in Room 10, Human Development Building. The laboratory is furnished with study carrels, a film and TV viewing room, and various types of audio-visual equipment, including audio and video cassette players, sound filmstrip viewers, 16 mm. and 8 mm. film projectors, and synchronized slide cassette recorders.

The facilities were designed to accommodate courses involving independent learning activities. They are open to faculty members from all colleges of the University who are invited to place course materials in the laboratory for use by their students.

The hours of operation during Fall Term will be as follows: Monday through Friday 8:00-12:00, 1:00-5:00, and 6:30-10:30. Saturdays closed, and Sundays 6:30-10:30 p.m.

Faculty members interested in utilizing the facilities regularly or occasionally are invited to contact the Director of Listening-Learning Services, 13 Pinchot Hall (865-1325). Visitors to the laboratory will be welcome.

1973 Fall Term Calendar

University Park Campus

The Pennsylvania State University

WEEK OF SEPT. 3-9

Monday, September 3

Labor Day. New students arrive

Tuesday, September 4

Women's open recreation, 7 p.m., White.

Wednesday, September 5

Pre-examination in German for advanced degree candidates
Fall Term registration

Thursday, September 6

Pre-examination in German for advanced degree candidates
Fall Term registration
First meeting, women's varsity field hockey team, 5 p.m., White.

Friday, September 7

Pre-examination in German for advanced degree candidates
Fall Term registration
Commonplace Coffeehouse, 8 p.m., 102 Kern

Saturday, September 8

PSOC Hiking Div. annual Mt. Nittany hike, meet at 1:30 p.m., HUB

NOTES:

WEEK OF SEPT. 10-16

Monday, September 10

Fall Term classes begin, 8 a.m.
Undergraduate Library Jazz Session-Orientation Program, 7:30-9 p.m., HUB reading room.
Naiads Try-Out, 7 p.m., White
First meeting, women's varsity gymnastics team, 5:30 p.m., White

Tuesday, September 11

Naiads Try-out, 7 p.m., White.
Orchestr. Try-out (men and women), 2:30 and 7 p.m., South Dance Studio, White.
First meeting, women's varsity golf team, 2 p.m., White

Wednesday, September 12

Orchestr. Try-out (men and women), 7 p.m., South Dance Studio, White.
Naiads first meeting, 7 p.m., White.
Commonplace Theatre, 8 and 10 p.m., 112 Kern. "The Legend of the Lone Ranger," Clayton Moore and Jay Silverheels.

Thursday, September 13

Arnold Ar Society film, "Summer of '42," 7 and 9 p.m., 105 Forum.
Orchestr. (old members) first meeting, 6:30 p.m., White.
Deadline for entries in Intramural touch football, tennis singles, and team golf, 4:30 p.m., 206 Rec Hall.

Friday, September 14

Last date for registering with Foreign language departments (other than French and Spanish) for written language examinations.
Arnold Ar Society film, "Summer of '42," 7 and 9 p.m., 105 Forum.
Panhel, 10 a.m., HUB ballroom.
Student SF films, 7-12 p.m., HUB assembly room.
Annual Conference of the Science Fiction Research Association, Sept. 14-17.
Commonplace Coffeehouse, 8 p.m., 102 Kern.

Saturday, September 15

Arnold Ar Society Film, "Summer of '42," 7 and 9 p.m., 105 Forum.
Artists Series, "Godspell," 3 p.m. and 8:30 p.m., Schwab.
Students' SF films, 7-12 p.m., HUB assembly room.
Young Socialists, 7-12 p.m., HUB ballroom.

Sunday, September 16

Arnold Ar Society, "Summer of '42," 7 and 9 p.m., 105 Forum.
Artists Series, "Godspell," 3 p.m. and 8:30 p.m., Schwab.
Chapel Service, 11 a.m., Eisenhower Chapel.
Reverend James D. Glaspey, Lancaster Theological Seminary.
Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.
Sigma Delta Epsilon's Annual Fall Social for women in science, 10 a.m., 101 Kern.
Penn State Sports Car Club Autocross.

NOTES:

INTEREST GROUPS

Alpha Phi Omega, Mondays, 7 p.m., 308 Boucke.
P.S. Amateur Radio Club 7:30 p.m., 208 Engineering E, Oct. 2, Oct. 17, Oct. 31.
American Welding Society, 7:30 p.m., 232 Hammond, Sept. 18, Oct. 17.
Canoe Div., PSOC, 7:30 p.m., 214 Boucke, Sept. 20, Oct. 4, Oct. 18, Nov. 1, Nov. 15.
Eco-Action Members, 8:30 p.m., 301 Boucke.
Equestrian Div., PSOC, 7:30 p.m., 111 Animal Industries, Sept. 18, Oct. 2, Oct. 16, Oct. 30, Nov. 13.
Focus on Sweden, Wednesdays, 7 p.m., 312 Boucke starting Sept. 18.
Gamma Sigma Sigma, Tuesdays, 7 p.m., 309 Boucke.
Hiking Div., PSOC, 7:30 p.m., 214 Boucke, Sept. 15, Oct. 3.
Mountaineering Div., PSOC, 7:30 p.m., 214 Boucke, Sept. 18, Oct. 9, Nov. 13.
Lambda Alpha Epsilon, 7 p.m., Sept. 12, Sept. 26, Oct. 10, Oct. 24, Nov. 7.
Nittany Grotto, 7:30 p.m., 273 Willard, Sept. 12, 26, Oct. 10, 24, Nov. 7.
PSOC Main Club, Tuesday, Sept. 11, 7:30 p.m., 10 Sparks.
Sailing Div., PSOC, 7:30 p.m., 214 Boucke, Sept. 13, Sept. 27, Oct. 11, Oct. 25, Nov. 8.
S.I.M.S. lectures, Sept. 12, 26, Oct. 10, 24 in 108 Forum, Sept. 13, 20, 27, Oct. 11, 25, Nov. 7, 8 in Chambers, 8 p.m.
Ski Div., PSOC, 7:30 p.m., 121 Sparks, Sept. 19, Oct. 17, Nov. 7. Ski clinic, Oct. 24, Blue Knob, Oct. 31, Oregon Hill.
P.S. Sports Car Club, 7:30 p.m., 365 Willard, Sept. 12, Sept. 26, Oct. 10, Oct. 24, Nov. 7.
Young Socialists, 7:30 p.m., Mondays, 667 Willard, Wednesdays, 62 Willard.

WEEK OF SEPT. 17-23

Monday, September 17

Color Slide Club, 7:30 p.m., 112 Kern.

Tuesday, September 18

Liberal Arts faculty meeting, 3:55 p.m., 121 Sparks.
Engineering Undergraduate Council, 7:30 p.m., 207 Sackett.
Rifle Club, women, first meeting, 7 p.m., White.
Orchestr. old and new members, first meeting, 6:30 p.m., White.
Fencing Club, women, first meeting, 7 p.m., White.
English Colloquium, 8 p.m., 101 Kern.

Wednesday, September 19

Add period ends, 5 p.m.
Philip Dettra, piano, 8:30 p.m., Music Bldg. recital hall.
"Ham's Wide World," film, Penn State Amateur Radio Club, 7:30 p.m., HUB assembly room.
Commonplace Theatre, 8 and 10 p.m., 112 Kern. "A Midsummer Night's Dream," James Cagney, Mickey Rooney.
Graduate Council meeting, 3 p.m., 101 Kern.
Gymnastics clinic (women) first meeting, 7 p.m., White.

Thursday, September 20

College of Education faculty meeting, 3:45 p.m., 102 Kern.
Panhel, 10 a.m. to 3 p.m., HUB ballroom.
Women's Modern Dance Interest Group, first meeting, 6:30 p.m., White.

Friday, September 21

Student SF films, 7-12 p.m., HUB assembly room.
Commonplace Coffeehouse, 8 p.m., 102 Kern.

Saturday, September 22

Artists Series, National Ballet, 8:30 p.m., Rec Hall.
Women's golf, vs. SUNY-Brockport and Madison College, 10 a.m.
Women's field hockey, Wilson, 1 p.m., two games.
Free-U social event, 7-11:30 p.m., HUB ballroom.

Sunday, September 23

Chapel Service, 11 a.m., Eisenhower Chapel. Kenneth W. Hybert, education.
Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

NOTES:

WEEK OF SEPT. 24-30

Monday, September 24

Flag Football (Co-ed) Intramurals, entries due 4 p.m., Room 109A White

Tuesday, September 25

College of Arts and Architecture faculty meeting, 4 p.m., 122 Music Bldg.
College of Agriculture faculty meeting, 4 p.m., HUB assembly room.

Wednesday, September 26

Alard String Quartet, 8:30 p.m., Music Bldg. recital hall.
Commonplace Theatre, 8 and 10 p.m., 112 Kern. "The Great Escape," Steve McQueen, James Garner.

Thursday, September 27

Arnold Ar Society film, "The Ballad of Cable Hogue," 7 and 9 p.m., 105 Forum.
File for Pass-Fall.
Last date for December graduate to pay thesis fees and activate diploma card in registrar's office.
Last date for registering with ETS, Princeton, for French and Spanish written language exams.
File Repeat Course forms.
German Forum, 7:30 p.m., 124 Sparks. Otto Poeglinger, Commonplace Theatre, 8 and 10 p.m., 112 Kern. "The Great Escape," Steve McQueen, James Garner.

Friday, September 28

Artists Series, Seth McCoy, tenor, 8:30 p.m., Schwab.
Arnold Ar Society film, "The Ballad of Cable Hogue," 7 and 9 p.m., 105 Forum.
File for Pass-Fall.
File Repeat Course forms.
Student SF film, 7-12 p.m., HUB assembly room.
Folk and Square Dance Roundup, 7:30-9 p.m., North Gym, White.
Freshman Football vs. Milford Academy, 3 p.m., Commonsplace Coffeehouse, 8 p.m., 102 Kern.

Saturday, September 29

Football, vs. Iowa, Beaver Stadium, 1:30 p.m., Homecoming.
Arnold Ar Society film, "The Ballad of Cable Hogue," 7 and 9 p.m., 105 Forum.
Student SF films, 7-12 p.m., HUB assembly room.
Penn State Glee Club Homecoming, 7 p.m., HUB ballroom.
Concert Committee Program, 8 p.m., Rec Hall.
PSOC Sailing Div. Regatta, noon, Stone Valley.

Sunday, September 30

Arnold Ar Society film, "The Ballad of Cable Hogue," 7 and 9 p.m., 105 Forum.
Chapel Service, 11 a.m., Music Bldg. recital hall. Luther Harshbarger, religious studies.
Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

NOTES:

WEEK OF OCT. 1-7

Monday, October 1

Drop period ends 5 p.m.
File for Pass-Fall.
File Repeat Course forms.
Preregistration period ends.
First meeting, women's varsity swimming team, 5:30 p.m., White.

Tuesday, October 2

Last date for written foreign language exams (other than French and Spanish) for advanced degree candidates.
Comparative Literature luncheon, 12:15 p.m., HUB dining room A Francis Utley.
English Colloquium, 8 p.m., 101 Kern. Francis Utley on "Boccaccio, Chaucer and the International Popular Tale."

Wednesday, October 3

Musica da Camera, 8:30 p.m., Music Bldg. recital hall.
Five O'Clock Theatre, 5:20 p.m., Pavilion.
Soccer, vs. West Chester, 7 p.m.
Commonplace Theatre, 8 and 10 p.m., 112 Kern. "Oklahoma Kid," James Cagney, Humphrey Bogart.
Graduate Council meeting, 3 p.m., 101 Kern.

Thursday, October 4

College of Engineering faculty meeting, 3:30 p.m., Mineral Sciences Building.
Five O'Clock Theatre, 5:20 p.m., Pavilion.

Friday, October 5

Student SF films, 7-12 p.m., HUB assembly room.
Five O'Clock Theatre, 7:20 p.m., Pavilion.
Commonplace Coffeehouse, 8 p.m., 102 Kern.

Saturday, October 6

Last date for a December graduate to deliver doctoral thesis to committee.
Student SF film, 7-12 p.m., HUB assembly room.
Corss County, vs. West Virginia.

Sunday, October 7

College of Liberal Arts tea, 3-5 p.m., HUB main lounge.
Chapel Service, 11 a.m., Eisenhower Chapel.
Chapel Service, 11 a.m., Lutheran Religious Affairs.
Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

NOTES:

WEEK OF OCT. 8-14

Tuesday, October 9

Engineering Undergraduate Council meeting, 7:30 p.m., 207 Sackett.
Comparative Literature luncheon, 12:15 p.m., HUB dining room A. Otto Poeglinger.
University Faculty Senate, 2:10 p.m., 112 Kern.

Wednesday, October 10

Thalia Trio, 8:30 p.m., Music Bldg. recital hall.
Commonplace Theatre, 8 and 10 p.m., 112 Kern. "The Wild One," Marlon Brando, Mary Murphy.
Sigma Delta Epsilon, film on cancer detection, 2 p.m., 101 Kern.

Friday, October 12

Freshman Football, vs. Delaware, 3 p.m., 102 Kern.
Commonplace Coffeehouse, 8 p.m., 102 Kern.

Saturday, October 13

Artists Series, "Two Gentlemen of Verona," 8:30 p.m., Rec Hall.
Women's golf, vs. SUNY-Buffalo, 10 a.m.
Last date for a December graduate to deliver Master's Thesis or Paper to advisor.
Last date for final oral doctoral examinations for December graduates.
WHRA Record Hop, 8 p.m., HUB ballroom.
Football, vs. Army, Beaver Stadium, 1:30 p.m.

Sunday, October 14

Raymond Brown, voice recital, 3:30 p.m., Music Bldg. recital hall.
Chapel Service, 11 a.m., Eisenhower Chapel.
On the Way, Methodist Theological School in Ohio.
Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

NOTES:

STUDENT GOVERNMENT

OTIS, Mondays, 6:30 p.m., HUB assembly room.
first meeting Sept. 10.
U.S.S. Senate, Mondays, 7:30 p.m., HUB assembly room.



On the Artists Series, "Godspell," Sept. 15-16.

WEEK OF OCT. 15-21

Monday, October 15

1st meeting, women's varsity basketball team, 6:30 p.m., White.

Tuesday, October 16

1st meeting, women's varsity bowling team, 3 p.m., Rec Hall lanes.
1st meeting, women's varsity rifle team, 6:30 p.m., White.

Wednesday, October 17

Caran Caim, voice recital, 8:30 p.m., Music Bldg. recital hall.
Commonplace Theatre, 8 and 10 p.m., 112 Kern. "All the King's Men," Broderick Crawford.
Graduate Council meeting, 3 p.m., 101 Kern.

Thursday, October 18

University Theatre, "Amorous Flea," 8 p.m., Pavilion.

Friday, October 19

Women's field hockey, SUNY-Cortland, 3 p.m., two games.
Student SF films, 7-12 p.m., HUB assembly room.
University Theatre, "Amorous Flea," 8 p.m., Pavilion.

Folk and Square Dance Roundup, 7:30-9 p.m., North Gym, White.
Soccer, vs. Maryland, 7 p.m.
Commonplace Coffeehouse, 8 p.m., 102 Kern.

Saturday, October 20

Artists Series, Samuel Beckett's "Krapp's Last Tape," and "Not I," with Hume Cronyn, Jessica Tandy, 8:30 p.m., Schwab.
Chapel Service, 11 a.m., Eisenhower Chapel. Don Davis, United Campus Ministry.
Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

Sunday, October 21

Artists Series, Samuel Beckett's "Krapp's Last Tape," and "Not I," with Hume Cronyn, Jessica Tandy, 8:30 p.m., Schwab.
Chapel Service, 11 a.m., Eisenhower Chapel. Don Davis, United Campus Ministry.
Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

NOTES:

EXHIBITS

KERN GALLERY

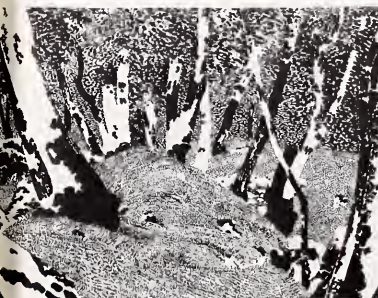
Shirley Sturtz, jewelry, prints, paintings, Sept. 4-22.
Paul Jay, pottery, Sept. 4-31.
Black images, photography-ACU-I, Sept. 23-Oct. 22.

John Stoyer, acrylic paintings, Sept. 23-Oct. 13.
Marilyn Dwyer, palette knife, Oct. 7-20.
DuWayne Miles, photography, Oct. 14-27.
John Dorish, watercolors, Oct. 21-Nov. 3.
Phil Schuster, ceramic sculpture, Oct. 28-Nov. 17.
Roger Cramer, pottery, Nov. 1-30.
Bill Russell, jewelry, Nov. 1-30.
Barry Kirby, prints, Nov. 4-17.
Tony Williams, acrylic paintings, Nov. 18-Dec. 1.

MUSEUM OF ART

PSU Faculty Graphics — Gallery A, June 15-September 16.
Selections from Permanent Collection — Gallery C, November 18-December 20.
Three Swiss Painters — Galleries A, B, C, September 23-November 4.
Charles Burchfield Drawings — Gallery A, November 11-December 20.
Prints and Drawings from Central Pennsylvania Collectors — Gallery B, Nov. 11-Dec. 20.

ZOLLER GALLERY, VISUAL ARTS
New Faculty Show, September 3-16
Stillman and Albers, September 19-October 12
Super Mud 73, October 15-November 3
BFA Show, November 4-10
Graduate Show, November 11-17



the Museum of Art, an exhibit of three Swiss Painters, Sept. 23-Nov. 4.

WEEK OF OCT. 22-24

Monday, October 22

Barbara Harbach-George, organ, 8:30 p.m., Music Bldg. recital hall.

Tuesday, October 23

University Theatre, "Amorous Flea," 8 p.m., Pavilion.
Comparative Literature luncheon, 12:15 p.m., HUB Dining Room A. Lloyd Fernando.
English Colloquium, 8 p.m., 101 Kern.

Wednesday, October 24

University Theatre, "Amorous Flea," 8 p.m., Pavilion.
Alard String Quartet, 8:30 p.m., Music Bldg. recital hall.
Commonplace Theatre, 8 and 10 p.m., 112 Kern. "Little Caesar," Edward G. Robinson, Douglas Fairbanks, Jr.

Thursday, October 25

Arnold Air Society film, "Ir Ga," 7 and 9 p.m., 105 Forum.
University Theatre, "Amorous Flea," 8 p.m., Pavilion.
Commonplace Theatre, 8 and 10 p.m., 112 Kern. "Little Caesar," Edward G. Robinson, Douglas Fairbanks, Jr.

Friday, October 26

Artists Series, Alicia De Laroche, pianist, 8:30 p.m., Schwab.
Women's field hockey, Millersville State College, 2:30 p.m., two games.
Arnold Air Society film, "Ir Ga," 7 and 9 p.m., 105 Forum.
Student SF films, 7-12 p.m., HUB assembly room.
University Theatre, "Amorous Flea," 8 p.m., Pavilion.
Soccer, vs. Navy, 7 p.m.
Commonplace Coffeehouse, 8 p.m., 102 Kern.

Saturday, October 27

Written French and Spanish language examinations for advanced degree candidates.
Arnold Air Society film, "Ir Ga," 7 and 9 p.m., 105 Forum.
Student SF films, 7-12 p.m., HUB assembly room.
University Theatre, "Amorous Flea," 8 p.m., Pavilion.
Penn State Film Club, 11 p.m.-4 a.m., HUB ballroom.
Committee Program, 8 p.m., Rec Hall.
Football, vs. West Virginia, 1:30 p.m., Beaver Stadium.
All-University Day.

Sunday, October 28

Arnold Air Society film, "Ir Ga," 7 and 9 p.m., Room 105 Forum.
Cross Country USSTF Eastern Regional Championships.
Chapel Service, 11 a.m., Music Bldg. recital hall.
The Reverend James C. Alexander, Shaw Divinity School.
Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

NOTES:

WEEK OF OCT. 29-NOV. 4

Monday, October 29

Last date for a December graduate to deliver thesis to the Graduate School office.
Last date for departments to certify completion of required papers for December graduates.
Last date for a December graduate to order cap, gown, and hood locally.
Musica da Camera, 8:30 p.m., Music Bldg. recital hall.
Campus Crusade for Christ (also Oct. 30-31), 7 p.m.; speaker, John McDowell.
First meeting, women's varsity fencing team, 7 p.m., 33 White.

Tuesday, October 30

Women's field hockey, Lock Haven State College, 2:30 p.m., two games.
Engineering Undergraduate Council meeting, 7:30 p.m., 207 Sackett.
First day for signing NDSL (National Direct Student Loans), SEOG (Supplemental Educational Opportunity Grants), and University Loans for Winter Term.



Penn State meets West Virginia on All-University Day, October 27.

Wednesday, October 31

Raymond Page, viola, 8:30 p.m., Music Bldg. recital hall.
Commonplace Theatre, 8 and 10 p.m., 112 Kern. "Mondo Cane."

Thursday, November 1

Artists Series, Lennagard Philharmonic, 8:30 p.m., Rec Hall.
Thespians show, "The Brotherhood," 8:30 p.m., Schwab.

Friday, November 2

Women's field hockey, Susquehanna Field Hockey Tournament.
Student SF films, 7-12 p.m., HUB assembly room.
Penn State Brass Chorus, 8:30 p.m., Music Bldg. recital hall.
University Theatre, "One Flew Over the Cuckoo's Nest," by Dale Wasserman, 8 p.m., The Playhouse.
Folk and Square Dance Roundup, 7:30-9 p.m., North Gym, White.
Thespians show, "The Brotherhood," 8:30 p.m., Schwab.
Commonplace Coffeehouse, 8 p.m., 102 Kern.
Last day for signing NDSL, SEOG, and University Long Range Loans for Fall Term.

Saturday, November 3

Women's field hockey, Susquehanna Field Hockey Tournament.
Student SF films, 7-12 p.m., HUB assembly room.
University Theatre, "One Flew Over the Cuckoo's Nest," 8 p.m., The Playhouse.
Thespians show, "The Brotherhood," 8:30 p.m.,

Sunday, November 4

Women's field hockey, Susquehanna Field Hockey Tournament.
Chapel Service, 11 a.m., Eisenhower Chapel.
Charles L. Coleman, Religious Affairs.
Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

NOTES:

WEEK OF NOV. 5-11

Tuesday, November 6

Bloodmobile, sponsored by Alpha Phi Omega, 9 a.m.-5 p.m., HUB ballroom.
University Theatre, "One Flew Over the Cuckoo's Nest," 8 p.m., The Playhouse.
Comparative Literature luncheon, 12:15 p.m., HUB dining Room A. John McCabe.

Wednesday, November 7

Bloodmobile, sponsored by Alpha Phi Omega, 9 a.m.-5 p.m., HUB ballroom.
University Theatre, "One Flew Over the Cuckoo's Nest," 8 p.m., The Playhouse.
Ilor James, French horn, John McCabe, piano, 8:30 p.m., Music Bldg. recital hall.
Commonplace Theatre, 8 and 10 p.m., 112 Kern. "The Cane Mule," Humphrey Bogart, Jose Ferrer.
Graduate Council meeting, 3 p.m., 101 Kern.

Thursday, November 8

University Theatre, "One Flew Over the Cuckoo's Nest," 8 p.m., The Playhouse.
Taylor Lectures in Materials Science, 8 p.m., 26 Min. Sci., Dr. Linus Pauling.

Friday, November 9

Student SF films, 7-12 p.m., HUB assembly room.
University Theatre, "One Flew Over the Cuckoo's Nest," 8 p.m., The Playhouse.
Taylor Lectures in Materials Science, 8 p.m., 26 Min. Sci., Dr. Linus Pauling.
Soccer, vs. Temple, 7 p.m.
Commonplace Coffeehouse, 8 p.m., 102 Kern.

Saturday, November 10

Student SF films, 7-12 p.m., HUB assembly room.
University Theatre, "One Flew Over the Cuckoo's Nest," 8 p.m., The Playhouse.
PSU Symphony Orchestra, 8 p.m., Schwab.
Football, vs. North Carolina State, 1:30 p.m., Beaver Stadium.
Concert Commencement program, 8 p.m., Rec Hall.

Sunday, November 11

Penn State Glee Club, 3:30 p.m., Music Bldg. recital hall.
Chapel Service, 11 a.m., Eisenhower Chapel.
Dr. Richard Jungkuntz, Provost, Pacific Union University.
Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

NOTES:

WEEK OF NOV. 12-18

Tuesday, November 13

Comparative Literature luncheon, 12:15 p.m., HUB Dining Room A. Colin Rodenick on "Cook and the Noble Savage."
University Faculty Senate, 2:10 p.m., 112 Kern.

Wednesday, November 14

Leonard Feldman, cello, 8:30 p.m., Music Bldg. recital hall.
English Colloquium, 8 p.m., 101 Kern. Colin Rodenick on "The Character of Australian Literature."

Thursday, November 15

Last day for signing Emergency Loans for Fall Term.

Friday, November 16

Student SF films, 7-12 p.m., HUB assembly room.
Soccer, vs. Pittsburgh, 7 p.m.

Saturday, November 17

Last date for submitting a petition to graduate in absentia in December.
Fall Term classes and 12:25 p.m.
Student SF films, 7-12 p.m., HUB assembly room.
Football, vs. Ohio U., 1:30 p.m., Beaver Stadium, Band Day.

NOTES:

WEEK OF NOV. 19-25

Monday, November 19

Final examinations.
Color Slide Club, 7:30 p.m., 112 Kern.

Tuesday, November 20

Liberal Arts faculty meeting, 3:55 p.m., 121 Sparks.
Final examinations.
College of Agriculture faculty meeting, 4 p.m., HUB assembly room.

Wednesday, November 21

Final examinations.
Graduate Council meeting, 3 p.m., 101 Kern.

Saturday, November 24

Football, vs. Pittsburgh, 1:30 p.m., Beaver Stadium.

NOTES:

WEEK OF NOV. 26-DEC. 2

Saturday, December 1

Commencement, 10:30 a.m., Rec Hall.

Death

Lester S. Hamel, who was director of student affairs research when he retired from the University in 1969, died August 24; he was 68. A retired Marine Brigadier General, with a total of 32 years of military service, he joined the staff in a full-time position in 1961, as research assistant in Student Affairs Research, Office of Student Affairs. Immediately after military retirement, he was admitted as an undergraduate student at Penn State with a junior standing. He was graduated in 1960, with a B.A. in secondary education; a year later he received an M.Ed. degree in counseling. He taught, on a part-time basis, in the College of Education. His enlistment in the Marine Corps in 1926 followed a three-year teaching career in public schools in Pennsylvania; he had completed a two-year course at Kutztown State College in 1923. In his long Marine career, he participated in operations on Bougainville and Iwo Jima in World War II. His last tour of duty was as commanding officer of the Marine barracks at the Bremerton, Wash., Naval base.

Promotions

Dr. Robert J. Graham, to associate professor of humanities and American studies, Capitol Campus (effective July 1).

Dr. Robert W. Ott, to assistant professor of art education, (effective Sept. 1).

Funding opportunities

For more information, call 865-1372 except where noted below, and refer to the item by its number and the general information provided. People with grants information for dissemination in this column should call the same number.

September 6, 1973

(96-1) A program of Technological Innovation in Education Programs is supported by the National Science Foundation with the objectives of (1) exploring and developing computer and related communication technologies and techniques of potential application to education; (2) developing, and evaluating concepts, applications, and courseware; and (3) exploring and evaluating various computer-based and related systems for effective and efficient instruction. There are no proposal deadlines but several months are required for proposal review. Inquiries may be directed to: Arthur S. Mainland, Technological Innovation in Education Programs, Education Directorate NSF, Washington, D.C. 20550-7745.

(96-2) A new NSF program — Latin American Cooperative Science Program — has been established to facilitate and support mutually beneficial scientific and technological cooperation between the United States and Latin America. Argentina, Brazil, Mexico and other Latin American countries are to be considered. This program is designed to encourage collaboration and exchange of information between scientists, engineers, scholars and institutions of research and higher learning. Three different activities supported are: cooperative research, joint seminars, and scientific visits. The next deadline for research is Oct. 15 with advance notice recommended. Seminars should normally be proposed 12 months before the meeting date. Visit requests are needed as early as possible. Preliminary proposals are encouraged. Inquiries may be directed to: Latin American Cooperative Science Program, Office of International Programs, NSF, Washington, D.C. 20550 (202)632-5811.

(96-3) The Student-Oriented Program of the National Science Foundation contains three programs for FY 1974, each with a separate application deadline. Guidelines (NSF E74-7) will be available soon.

Undergraduate Research Participation has a Nov. 2 deadline and provides undergraduate students with research or independent study opportunities under the guidance of research directors. Grants are awarded for full-time projects of at least 10-weeks duration.

Student-Oriented Studies has a Nov. 30 deadline and supports student contributions to the understanding of science- or technology-based societal problems through individual or group oriented studies. The award deadline is Oct. 15, 1974.

Secondary School Student Science Training has a Nov. 16 deadline and supports either scientific research or special course work for superior secondary school students. Summer training is customary and runs for at least 5 weeks.

REMEMINDERS — DEADLINE DATES
Oct. 1, Feb. 1, June 1 — Grants for Training Grant Programs and Grants for Training Grant Programs (Aug. 9 INTERCOM #92-1 and 92-2); for HSMAH Science Research and Development for Health Sciences Research Resources (Aug. 23 INTERCOM #94-1 & 94-2); and for NIH Lab Animal Programs and NIMH Minority Group Mental Health Program (Aug. 30 INTERCOM #94-1 & 94-2).
Oct. 15 for OE Cooperative Education Program Awards (Aug. 9 INTERCOM #92-4); for OE Faculty Research Abroad, Doctoral Dissertation Research Awards (Aug. 16 INTERCOM #93-2 & 93-4); and for NSF Instruction Improvement Implementation Programs (Aug. 30 INTERCOM #95-4).

Retirement

Dr. Frances M. Andrews, professor and head of the department of music education, retired August 31 with emeritus rank, after serving on the faculty for 27 years. She was department head for eight years. Earlier, she was head of the music program in the State College Area junior and senior high schools for eight years and taught part-time at the University. She had previously taught in the Abington Independent School District at Waverly and in the Benton schools at Fleetwood. A graduate of Marywood College, Scranton, she earned M.Ed. and D.Ed. degrees at Penn State; she also studied at Oberlin and at N.Y.U. In addition to teaching and administrative duties here she directed a number of research projects and studies and was the author or co-author of six books and many articles in professional journals. One book, "Guiding Junior High School Pupils in Music Experiences," won wide acclaim and has effected a basic change in music education in junior high schools. It was selected for the 1954 Peabody Best Book List. One of her deepest involvements was in the Music Educators National Conference, which she served as president for two years. After holding other offices and being on a number of committees, she will continue on the Board for another year. As president of the 60,000-member organization, she worked for improvement of quality and quantity of music education in schools and communities. In 1970 she brought about the adoption of the organization's first comprehensive statement of goals and objectives in music education. She has won many honors: National Band Association citation for outstanding contributions to band and band music; State Department Education citation for distinguished contributions to the advancement of education; Mu Phi Epsilon Elizabeth Mathias Award, for inspiring many young students in music education.

Staff vacancies

This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (Network Line 475-1387). Do not contact the area that has this vacancy. Applications for these staff vacancies will be accepted.

5 P.M., THURSDAY, SEPTEMBER 20, 1973
SENIOR INSTRUCTIONAL SERVICES SPECIALIST
York Campus

Responsible for providing and encouraging the use of a wide variety of instructional resources; for investigation, evaluation and implementation of instructional methods and media. A Bachelor's degree, preferably in education or instructional media with at least two years of experience are desired.

PROCEDURES SPECIALIST
CONTROLLER'S OFFICE

Responsible for reviewing, investigating and analyzing current fiscal policies, procedures, practices, forms and records. Documents and develops and develops and maintains effective manuals. Bachelor's degree preferably in Business Administration together with related experience in procedures, forms control or similar management service work are preferred.

DEAN OF STUDENT AFFAIRS
Shenango Valley Campus

Responsible for the planning and administration of student affairs programs and services and other activities as assigned by the Director. A Master's degree in Student Personnel or related field is desired with three years of applicable experience.

In writing

The University Press has published the fifth volume of the "Yearbook of Comparative Criticism," edited by Dr. Joseph P. Streika, former member of the University's German department.

This volume is devoted to "Literary Criticism and Sociology," and among the contributors is Dr. Maxwell H. Goldberg, also a former member of the faculty. Studies in the dialectics of the literary imagination, literature and its reading public, technology and literature, morals and society, and sociological aspects in literary evaluations are considered in the volume, which represents a cross-section of the most important sociological considerations in literary criticism, literary theory, and literary history.



"Three Preludes" dance to be featured by National Ballet on Artists Series Sept. 22.

National Ballet follows

Artists Series has 'Godspell'

The first two events on the 1973-74 Artists Series will be the performances of the award winning musical, "Godspell," Sept. 15 and 16, and the National Ballet Saturday, Sept. 22.

"Godspell" will be given in both afternoon and evening shows, 3 p.m. and 8:30 p.m., Saturday and Sunday, Sept. 15 and 16, in Schwab Auditorium. Season ticket holders were given first opportunity to purchase tickets for this special event and may continue to do so at the HUB booth through September 13. If any tickets remain after the subscription sales, they will be offered to non-subscribers Friday, Sept. 14, at 9:00 a.m. in the HUB.

The musical has enjoyed a Broadway run since 1971 and a number of touring

companies have given performances throughout the country. The word, "Godspell," incidentally, is an old spelling of the word "gospel." The show is created by John-Michael Tebelak, who directed the Broadway performance. The music and lyrics were written by Stephen Schwartz who produced the original cast album and has been responsible for 14 productions of the show here and abroad.

"Godspell," which became the longest running musical of all time in Boston at Washington, D.C., is based on the Gospel of St. Matthew. John-Michael Tebelak has drawn from the spirit of Christ and his teachings rather than from the literal reading of the Bible. Only during the last sequences do the Passion and Crucifixion enter into the production.

Newcomers invited to join club

Wives of new faculty members and administrative personnel as well as new women faculty are invited to join the Faculty Women's Newcomers' Club and to take part in a variety of activities this fall, starting with "desserts."

"Desserts" will be held in the period of Oct. 20-21, and their purpose is to enable newcomers to meet members and other newcomers to the area. They are held in the homes of faculty wives, and packets of information will be distributed concerning the community.

The Club is open to wives of faculty and administration members and women faculty

who have been on campus for less than two years. Some of their activities, including fall reception Sept. 25, are conducted with the Faculty Women's Club.

For more information about the Newcomers' Club and to join, call Mrs. Richard Tressler, 237-5426, or Mrs. David Colton, 237-9527.

Members of the Newcomers' Board are: Mrs. Richard Tressler, president; Mrs. Gordon Dixon, first vice president; Mrs. Charles Sams, second vice president; Mrs. Robert Blashfield, secretary; and Mrs. Robert Keith, treasurer.

Colloquy features science fiction

The first program in the 1973-74 Colloquy series will revolve around writers and critics attending the annual conference of the Science Fiction Research Association, to be held on campus Sept. 14-17.

Wednesday, Sept. 12, at 8 p.m., in Schwab Auditorium, John Brunner will discuss the future of the environment.

Thursday, Sept. 13, at 8 p.m., in the HUB ballroom, writers Gordon Dixon, Frederick Pohl and Theodore Sturgeon will

discuss issues of the future, each speaking on a subject of his own choice. A reception will be held in the HUB reading room following the discussions.

Monday, Sept. 17, at 8 p.m. in Schwab Auditorium, Leslie Fielder and Roy Zelinsky will debate the subject of science fiction.

As with all Colloquy programs, the lectures and discussions are free and open to the public.

Calendar — Sept. 6-16, 1973

(Note: The items below are in addition to those listed on the Fall Term calendar on Pages 2 and 3).

SEMINARS

Monday, Sept. 10 — Genetics, 3:55 p.m., Room 111 Tyson. Dr. J. E. Wright, on "Pseudolinkage in Rainbow Trout."

Thursday, Sept. 13 — Agronomy, 3:55 p.m., Room 112 Kern. Dr. James B. Bartoo, Graduate School dean, on "Problems Associated with the Graduate Academic Environment."

SPECIAL EVENTS

Saturday, Sept. 8 — Talk by Allard K. Lowenstein, former A.D.A. head, 8 p.m., Schwab, sponsored by Student Orientation Committee and Student Affairs Office.

Sunday, Sept. 9 — Black Christian Fellowship worship service, 11 a.m., Walnut Building. The Rev. John M. Day, Jr., Baltimore, Md.

Wednesday, Sept. 12 — COLLOQUY, 8 p.m., Schwab, John Brunner, science fiction writer, on the future of the environment.

Thursday, Sept. 13 — COLLOQUY, 8 p.m., HUB ballroom. Science fiction writer, Gordon Dixon, Frederick Pohl, and Theodore Sturgeon, discussing the future of their special areas.

INTEREST GROUPS

Alpha Phi Omega, Wednesday, Sept. 12, 7:30 p.m., HUB reading room.

Chess Club, Wednesday, 6:30 p.m., HUB card room.

Chess Team, Thursday, 6:30 p.m., Room 203 Boucke.

Eastern Orthodox Christian Fellowship Divine Liturgy, Sunday, Sept. 9, 8 a.m., HUB assembly room.

Interludia Folk Dancing, Mondays, 7:30 p.m., HUB ballroom.

New Democratic Coalition, Friday, Sept. 14, 8 p.m., HUB ballroom.

OFFICIAL Monday-Friday, Sept. 10-14 — Drop-in/stand-up event in HUB; also Sept. 17-19.

Wednesday, Sept. 12 — Association of Women Students, 7 p.m., Room 203 HUB.

PENN STATE intercom

Volume 3, Number 2

September 13, 1973

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the cless schedule

News in Brief

PHONE CHANGE

Worthington-Scranton Campus has a new Wide Area phone number. It is now 459-4757; the prefix was previously 493. Individuals may be reached on the Network by calling 459 and the last four digits of the person's number. However, these numbers are not correct in the old directory, and individuals' numbers may only be obtained by calling 459-4757 until the new directories are available.

COINS

The Keeper of the Heberden Coin Room, Ashmolean Museum, Oxford, England, will give two talks relating to coins and coinage next week. Prof. Colin Kraay will speak on "Timoleon and Corinthian Coins in the West," Wednesday, Sept. 19, at 2:20 p.m. in Room 230 Arts. The following day he will speak at 8 p.m. in the Kern Graduate Bldg. auditorium on "Greek Coinage and History," sponsored by the Central Pa. Society of the Archaeological Institute of America.

GOLF EQUIPMENT SALE

Currently underway is a sale of golf equipment and supplies at the Golf Shop in Recreation Building, at the White Course. The sale will continue as long as sale stock is on hand.

INTERNATIONAL SCHOOL

The annual State College community reception for international students will be

held Sunday, Sept. 23, from 3 to 5 p.m. in the social rooms of the Grace Lutheran Church. The entire community is invited to welcome and get acquainted with the international students enrolled at the University. The International Hospitality Council, the Women's Church United, and International Center at the University are cooperating in the event, which is informal.

JAY CERAMICS

Paul Jay, instructor of ceramics, art history, and drawing at the Allegheny Campus, Community College of Allegheny County, has an exhibit of both stoneware and porcelain at the Kern Graduate Bldg. It will continue on display until Sept. 30. He has exhibited widely throughout the country in recent years, including the 29th annual show of the Craftsmen's Guild of Pittsburgh.

FRENCH INTERESTS

Members of the faculty and staff and their wives who are interested in "things" French — literature, art, theatre, or merely conversation — may wish to express that interest to Alliance Francaise, an organization of French-speaking persons in the community having a purpose of continuing the individual's contact with French language and culture. The organization sponsors an activity each year to provide scholarship money for a student to study in France. It also cooperates in a number

(Continued on page four)

Science fiction conference brings outstanding writers

A four-day conference bringing together some of the outstanding science fiction writers and critics both in this country and abroad will begin tomorrow (Friday, Sept. 14) and continue through lunch Monday, with sessions in the assembly room of the J. O. Keller Building conference center.

A Friday evening session, beginning at 8 p.m., will be devoted to an overview of science fiction, with speakers Patrick G. Hogan, Jr., of Houston, and Leslie A. Fielder, SUNY-Buffalo. Introductory remarks will be made by Dr. Arthur O. Lewis, conference co-chairman with Philip Klass, and Liberal Arts Dean Stanley F. Paulson.

Saturday's program will include a discussion on "Myth and the Science Fiction Writer" at 9 a.m. and a panel discussion on "Utopias," also at 9 a.m. Among the panelists is Philip E. Stebbins, associate professor of history.

At 11 a.m., sessions on "The Beginnings of Modern Science Fiction: Wells" and "Probing the Limits" will include speakers from Loyola University of Montreal: SUNY-Albany, St. John's University, and Montana. Charles W. Mann, Jr., head of special collections in the University Libraries, is a discussant.

The Saturday afternoon sessions, beginning at 2 and 4 p.m., will include papers on "Science Fiction after Wells"; "Wells and His Contemporaries," in a panel dis-

cussion; "The American Science Fiction Magazine"; and "Teaching Science Fiction: The Use of Film." One of the panelists on the latter subject will be L. P. Greenhill, assistant vice president for academic services.

An awards banquet will be held at 6:30 p.m. Saturday.

Sessions will be held Sunday at 9 and 11 a.m. and at 2 and 4 p.m., on the topics "The Campbell Period (The Forties)", "Science Fiction: The Communication of Technological Concepts" (panel discussion); "The Galaxy — Fantasy and SF Period (the Fifties)"; "Science Fiction and Society"; "Science Fiction in the Last Two Decades"; "Teaching Science Fiction, the Methods and Goals"; and "Science Fiction and Bibliography." At 8 p.m., "The Problem of Prediction" will be discussed by John Brunner, from England, and Robert U. Ayres, International Research and Technology Corporation. Charles Mann will be one of the speakers on the program of the "Science Fiction and Bibliography" session.

The 9 a.m. session on Monday, Sept. 17, will be devoted to a round table discussion on "Literary Perspectives, the Science Fiction Writer and His Critics Today." Among the speakers will be Stuart H. Stock, graduate assistant in English.

Among the various session chairmen

(Continued on page two)

Senate chairman Bergman values citizenship highly

When he's asked what impelled him to let his name be put up for Senate Chairman — or why he's running for the job of Township Supervisor in Ferguson this fall — Ernest L. Bergman likes to quote an old German proverb: "The way you make your bed, that's the way you sleep."

"I remember," he says, "how I lost my citizenship in Germany in 1939 and didn't get another until 1952 when I became an American. When you've had no rights, you treasure your civic duties more."

Born in Munich, Dr. Bergman fled the Nazis, emigrating to Switzerland as a boy of 14. There, he went to a State Agricultural School and supported himself by working on farms and orchards.

"Everyone talked about America," he recalls. "One of the dreams was coming here. I had relatives in this country so in 1946, as soon as the war ended, I emigrated."

He got a job pruning trees in upstate New York and eventually wound up as a hopyard foreman, working for his relatives in Oregon.

"I'd always wanted to go back to school," Dr. Bergman continues, "but I didn't think I could afford it. After I got my citizenship, I found a job at Oregon State College helping a retired professor, Dr. E. J. Kraus, breed ornamental plants. He was an old German and a bachelor who had been head of the Botany Department at the University of Chicago and was very well known."

"One day the old man started to talk to me about my educational background. 'Unless you go back to school,' he said, 'when I die, you will be nothing.' So he

cleared the way for Oregon State to give me credit for my schooling in Switzerland, provided I made at least a 'B' average in my required courses the first year. I had to take all the basic sciences, which helped to pull it off, and I continued working full time. I got my B.S. in pomology in two years."

"I hadn't thought about continuing for an advanced degree when I started out, but Michigan State offered me an assistantship, and I earned by master's and doctorate there. Without Dr. Kraus's encouragement, however, I doubt I would have ever returned to school. I owe him a great debt."

Dr. Bergman joined Penn State's faculty in 1958 as an assistant professor of plant nutrition. Now a full professor, he is doing research on plant nutrition and vegetables, investigating, with members of the department of plant pathology, the effects of plant viruses on nutrition. Working with ag engineers, he has helped develop a plastic mulch laying machine and the mechanical harvesting of tomatoes. His current research with poultry scientists, in conjunction with mining engineering, involves hydroseeding burnt mine sites with a mixture of dried poultry manure and seeds.

Dr. Bergman developed Pennscrisp winter celery which now accounts for 70 percent of the State's bleached celery acreage, and he also received the Kenneth Post Award for co-authoring a research paper dealing with the yield prediction of roses. One of his most challenging assignments was the several months he spent in

(Continued on page two)



Dr. Ernest L. Bergman, chairman of the University Faculty Senate, hopes that the organization can help the administration with some of the decision-making, especially in academic and faculty affairs. He hopes further that the Senate will initiate ideas to present to the administration.

Appointment

Col. Alan J. Grill, USAF, as professor and head of Air Force Aerospace Studies. He is a command pilot with 4,400 hours of flying time. Commissioned as an aviator cadet in 1953, he has completed Squadron Officer's School at Maxwell AFB, Armed Forces Staff College at Norfolk, Va., and the Naval War College at Newport, R.I. He is a graduate of the University of Chicago with an M.B.A. degree, conferred in 1961. His decorations include the Distinguished Flying Cross, Air Medal with Six Oak Leaf Clusters, and the AF Commendation Medal with one Oak Leaf Cluster. His overseas duties have included tours in Thailand and Vietnam and in Europe.

In Writing

"Operating Systems Theory," a new book co-authored by Dr. Edward G. Coffman, Jr., professor of computer science at the University, has been published by Prentice-Hall, Inc. The purpose of the book, intended both as a text and as a reference, is to study various algorithms needed in the design of computer operating systems. These include sequencing and control algorithms designed to avoid various types of failures in systems supporting concurrent processes; scheduling algorithms, algorithms for using input/output devices and buffer storage; and storage management algorithms. Dr. Coffman and his co-author, Dr. Peter J. Denning of the Massachusetts Institute of Technology, present the most important formal methods which have been applied to the study of operating systems algorithms in order to replicate the nature of the results, the essence of the analysis, and the power and limitations of the methods.

Recently published by the American Library Association is "Guidelines for Handling Library Orders for In-print Monographic Publications." This is the first of a series of guidelines being produced by the Bookdealer-Library Relations Committee of the Resources Section. Murray S. Martin, associate director of Libraries, is chairman of the committee. Two other books are being prepared for the series.

Retirement

George G. R. Lucas, associate professor of insurance in the College of Business Administration, retired August 31 after 35 years of service to the University, which began in 1938 when he was appointed assistant in economics in the commerce and economics department of the College of Liberal Arts. He was graduated from Penn State in 1934 with a B.A. degree; in 1947 he earned an M.A. degree. He came back to the University following flood duty with the American National Red Cross in Memphis, Tenn. He had also served the Red Cross as an accountant and earlier had been district supervisor of business courses for the Penna. Dept. of Education. During World War II he was on active military duty for four-and-a-half years, teaching military science and tactics at various army camps and in the R.O.T.C. program at Penn State. His major professional interest has been in property and casualty insurance, but he has also taught courses in accounting, economics, finance, taxes, and business law. He is co-author of "Insurance Principles and Coverages," a widely used textbook published in 1954 and revised in 1956. It has been published in Braille and Chinese editions. He is also author of manuals, handbooks, and of many articles.

Air freight service available

Next day delivery of parcels to most cities in the continental U.S. is now available via Emery Air Freight Service, and departments may make use of the service through University Mail Service, 106 Service Building. Information will be provided by A. E. Mische, 865-5602.

Shipments will be flown from University Park Airport to connecting carriers at the Greater Pittsburgh Airport on a daily basis, Monday through Friday. Parcels for shipment must be at the Service Building by 2 p.m. to be mailed that day. Parcels which exceed 500 pounds or 6 ft. by 3 ft. require a one-day notice.

Typical rates for a 10-pound parcel include Bangor, Maine, \$20; Spokane, Washington, \$20; Miami, Fla., \$15. Insurance rates vary.

Dettra to perform

Pianist Philip Dettra will open the 1973-74 Music Department series of recitals and concerts with a program Wednesday, Sept. 19, at 8:30 p.m. in the Music Building recital hall.

The program will include works by three French composers, Faure, Ravel, and Chopin. In 1972, Dettra studied French impressionistic keyboard music with Paul Dugueure, in Lausanne, Switzerland, under grants from the Peabody-Mason Foundation, Boston.

Dettra will give similar programs at the Altoona Campus Sept. 16 and at Mount Aloysius Junior College, Cresson, Nov. 14. The program includes Faure's "Theme and Variations," Ravel's "Sonatine," and Chopin's "Ballades."

Women's club to have reception

On Tuesday, September 25, the Faculty Women's Newcomers' Club will hold a joint reception with the Faculty Women's Club at 7:30 p.m. in the Hetzel Union Building ballroom.

New Penn State faculty women and wives of administration and faculty members who have been on campus less than two years are invited to attend and get acquainted with the club members and other newcomers to the area.

Also at the reception, members may sign up for interest groups which usually meet informally once a month, including: book exchange, beginners' bridge lessons, bridge, for ladies and for couples, home-and-community, tongue-and-thimble and dinners-for-eight conversations.

This year's program includes a "Fall Shopping Hop" scheduled for October 20, featuring visits to several interesting shops in State College and the surrounding area. Other activities include a Champagne Dessert and Theatre Party with husbands as guests, an Athletic Event followed by a key party, an International Pot Luck Dinner and a Seminar.

For more information, call Mrs. Tresler 237-5426 or Mrs. Colton 237-9527.

Staff vacancies

This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (Network Line 475-1387). Do not contact the area that has the vacancy. Applications for these staff vacancies will be accepted until:

5 P.M., Thursday, Sept. 20, 1973

SCIENTIFIC AIDE

INTERDISCIPLINARY RESEARCH PROGRAMS

University Park

Assist physicians with physical examinations, maintain examination and health records; draw blood and administer blood chemistry assays on blood and body fluids; records electrocardiograms and pulmonary diagrams; assists with variety of data gathering and logging tasks; supervises mounting and filing of tracings. A B.S. degree, or equivalent, plus two years lab experience are desired.

JUNIOR LABORATORY ASSISTANT

INTERDISCIPLINARY RESEARCH PROGRAMS

University Park

Responsible for conducting laboratory procedures to include animal handling and surgical preparation of laboratory animals. Assist in teaching in basic sciences and at least six months lab experience are desired.

LIBRARY ASSISTANT

Delaware County Campus

Responsible for assistance in all phases of library operations. Supervise part-time personnel working in the library. Oversee circulating program. Two years of college and two years of library work are desired.

RESIDENCE HALL HOSTESS

Bethlehem College

Responsible for the welfare, security and integrity of a Residence Hall or Area. Monitor visitors, assist new students with orientation to resident living. High school graduate and at least two years of business experience are preferred.

SENATE —

(Continued from page one)

gentina as part of a College of Agriculture team in the Rio Negro Valley.

"Fruit tree nutrition — particularly apples — was my responsibility, and I helped set up a plant analysis lab," he says. "My experiences abroad have made me feel strongly that when foreign students come to Penn State for their Ph.D.s, we should put them to work on problems similar to those they will eventually face in their own country instead of on sophisticated equipment they may never have the opportunity to use again."

An enthusiastic teacher, Dr. Bergman likes to provide an auto-tutorial component in his upper level course in plant nutrition.

"I travel a good bit," he says, "and wherever I go, I take my camera and keep on the lookout for plant nutrition problems. If I spot any specific one, I photograph it. Then I assemble my slides and record a taped commentary to accompany them, and make them available to students to watch for about an hour each week. They seem eager to see them. During the last six years, attendance in my class has increased from about six or seven to 45."

Before becoming Senate chairman, Dr. Bergman was chairman of the Faculty Affairs Committee as well as a member of the Advisory Subcommittee on Affirmative Action and the Faculty Rights and Responsibilities Committee.

"I hope that in the coming year the Senate will be an effective bridge between the administration and the faculty," he notes, "and that we can help the administration with some of its decision-making, especially in the area of personnel."

SCIENCE —

(Continued from page one)

will be the following from Penn State: Dr. Lewis, Dr. Wilfred T. Jewkes, professor of English; Dr. Robert F. Lima, professor of Spanish and comparative literature; Dr. Stanley Weintraub, director of the Institute for the Arts and Humanistic Studies; Dr. Richard G. Cunningham, vice president for research and graduate studies; Dr. Harrison T. Meserole, professor of English; Dr. Rusum Roy, director of the Materials

ially pertaining to academic and faculty affairs. Perhaps the Senate needs to become more active itself and initiate items present to the administration, rather than passively waiting until they come to us and say, "This is what we're doing. How do you feel about it?"

"I'm a great believer in keeping the faculty informed. They shouldn't have to find things out from the local newspaper. People can't work together effectively unless they communicate well. I think communication can do some improvement here."

Among the major issues which Dr. Bergman believes will confront the present Senate are unionization, curriculum view, external degree programs and credit accumulation methods. He is particularly pleased by the new faculty rights and responsibilities policy.

"For the first time, the faculty and the administration have an organ to go to for help when they need it," he points out. "I think it's a big step forward. Each college and campus will elect its own ombudsman to bring disagreeing individuals or groups together. Only when this solution has failed will a dispute go to the Senate Committee."

Although the job of Senate Chairman carries a heavy workload with it, Dr. Bergman intends to continue his longstanding interest in civic affairs. He has served on the Board of Adjustment in Ferguson Township and is a member of two different sewer authorities.

"I've found that it's surprising how much work you can get done," he says, "in the time you would have spent explaining why you couldn't do it."

Research Laboratory; Murray S. Martin, as associate director of Libraries.

In connection with the Conference, an exhibit will be on display in the Rahr Book Room of West estate. The exhibit will include the 1973-74 editions of the following works from the 18th and 19th centuries: original issues of pulp magazines; and modern hard-cover editions. A special display will include books and manuscripts of Philip Klann, who under the name of William Tenn is one of the country's leading science fiction writers.

Funding Opportunities

For more information, call 865-1372 except where noted below, and refer to the item by its number and the general information provided. People with specific information for dissemination in this column should call the same number.

SEPTEMBER 1, 1973

(91-1) The National Endowment for the Humanities Division of Public Programs has four programs with Oct. 15, 1973 deadlines as follows: Film/TV (6/15/74 deadline) in humanistic fields such as history, biography, linguistics, literature. These productions must be aimed at an adult audience. Development grants (1/15/74 deadline) includes pre-emptive Film/TV Grants to finance research and script writing.

(91-2) Interpretive Exhibition Grants (also 2/15/74, 4/15/74 deadlines) to provide a learning experience for visiting general public through use of collections employing interpretive methods to explain objects and show theme relationship.

(91-3) Community Education Grants (also 2/15/74 and 4/15/74 deadlines) to present seminars and other projects for planning and staging educational events, especially those reflecting local interests.

(91-4) Personnel Development Programs to support training projects aimed at encouraging and preparing individuals for leadership roles in museums and historical societies, specifically: graduate fellowship programs, internship programs, and seminars and other training.

(91-5) The National Science Foundation through a special program funded by the Agency for International Development (AID) will provide support for U.S. scientists and engineers to apply their experience to problems in 42 developing countries. Objectives will include: formulation and operation of research and education programs in these countries; exchange of personnel; and to increase the capability of their scientific and technical institutions. Research/Teaching Grants and International Travel Grants are available. Proposals deadline is Dec. 1, 1973. For additional information contact: Office of International Programs, NSF, Washington, D.C. 20550 (202) 632-8680.

(91-6) The National Endowment for the Humanities, Office of Fellowships and Stipends has four programs with Oct. 15, 1973 deadlines as follows:

(91-7) Fellowships for Younger Humanists (not degree candidates) including languages (linguistics, literature, history, jurisprudence, philosophy, ethics, comparative religion, anthropology, art, social science, humanities. Bilingual-related studies are encouraged. Stipends are \$1250/month maximum for 12 months.

(91-8) Fellowships and Summer Stipends for Junior

College Teachers (not degree candidates) to undertake humanistic studies to increase subject knowledge. Same stipend and tenure as above.

(91-9) Summer Stipends for college and university teachers (not degree candidates) covering the same scope of support as Fellowships for Younger Humanists above. Each institution may nominate three applicants. The stipend is \$2000 for two months in the summer of 1974. Contact B. A. Howell, 317 from Bldg. 565-2514.

(91-10) Fellowships in Selected Fields of (1) historical and social, and cultural studies of U.S. ethnic minorities, and (2) interrelations between human values and behavior. These fellowships are for degree candidates. The stipend is \$11250 for 6-9 months during 1974-75.

(91-11) A new research grants policy has been adopted by the National Institute of Education (NIE) whereby in addition to emphasis on the solution of problems in educational practice and other linkages among researchers, developers, and practitioners, NIE will also promote the development of new knowledge which strengthens understanding of the scientific and technological foundations of education. Individual scholars and research institutions will be invited to investigate these matters. Priorities will be identified and research supported. One such priority will be the education of personnel from low-income families and minority communities.

(91-12) The President's Commission on White House Fellows has announced it will accept applications for the 1973-74 Cohort. Clear 1973 to serve in Washington from Sept. 1, 1974 to Sept. 30, 1975. Applicants must be U.S. citizens at least 23 but not 38 by Sept. 1, 1974. Those serving are added to cabinet officers and officials are paid up to \$26,692 for the period. Institutions and service can be obtained from President's Commission staff, Room 5000, 1900 E. Street, N.W., Washington, D.C. 20015.

(91-13) Folger Shakespeare Library (O. B. Harrison, Director, Washington, D.C. 20003) has fellowships for graduate students and faculty wishing to work in the library. For further information write to address given. Application deadlines are Oct. 15 and Feb. 15.

REMINERS — DEADLINE DATES Oct. 15 for OE Cooperative Education Program Awards (Aug. 9 INTERCOM 292-4); for OE Faculty Research Grants (Aug. 9 INTERCOM 292-4); for OE Abroad (Aug. 16 INTERCOM 293-4); for NSF Instruction Improvement Implementation Program (Aug. 30 INTERCOM 294-4) and for NSF Local Action Grants (Aug. 30 INTERCOM 294-4). INTERCOM 296-2. Nov. 2 for NSF Undergraduate Research Participation Program, Nov. 16 for NSF Secondary School Student Science Teacher Program.

University Calendar

September 13-23, 1973

Special Events

Thursday, September 13 — Sports: Deadline for entries in intramural touch football, tennis singles, and team golf, 4:30 p.m., Room 206 Rec Hall.

Thursday, September 13 — Colloquy, 8 p.m., HUB ballroom. Gordon Dixon, Frederick Pohl and Theodore Sturgeon, science fiction writers, on issues of the future.

Friday, September 14 — Panel, 10 a.m.-3 p.m., HUB ballroom.

Friday-Saturday, September 14-17 — Annual Conference of the Science Fiction Research Association, Keller Conference Center. Sessions begin Friday, 8 p.m.; awards banquet, Saturday, 6:30 p.m.

Friday, September 14 — Commonsplace Coffeehouse, 8 p.m. Room 102 Kern.

Friday, September 14 — New Democratic coalition, 8-11:30 p.m., HUB ballroom.

Saturday, September 15 — Young Socialists, social, 7-12 p.m., HUB ballroom.

Saturday-Sunday, September 15-16 — Artists Series, "Godspell," 3 p.m., and 8:30 p.m., Schwab.

Sunday, September 16 — Chapel Service, 11 a.m., Eisenhower Chapel. Dr. John W. Brush, Andover-Newton Theological Seminary.

Sunday, September 16 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center. The Reverend Loran Mann, Pittsburgh.

Sunday, September 16 — Sigma Delta Epsilon's Annual Fall Social for women in science, 2 p.m., Room 101 Kern. Mr. Gilbert Ward on "The Physics of Musical Sounds."

Monday, September 17 — Colloquy, 8 p.m., Schwab. Leslie Fiedler and Roger Zelazny, science fiction writing critics, debate on the field.

Tuesday, September 18 — American Welding Society, 7:30 p.m., Room 232 Hammond. D. J. Snyder, U.S. Steel Corp., on "Welding Quenched and Tempered Steel."

Tuesday, September 18 — English Colloquium, 8 p.m., Room 101 Kern. Michael Bell.

Wednesday, September 19 — Philip Oettra, piano recital, 8:30 p.m., Music Bldg. recital hall.

Wednesday, September 19 — "Ham's Wide World," film. Penn State Amateur Radio Club, 7:30 p.m., HUB assembly room.

Thursday, September 20 — Panel, 10 a.m.-3 p.m., HUB ballroom.

Friday, September 21 — Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

Saturday, September 22 — Artists Series, National Ballet, 8:30 p.m., Rec Hall.

Saturday, September 22 — Free-U! social event, 7-11:30 p.m., HUB ballroom.

Saturday, September 22 — Sports: Women's golf, vs. SUNY-Brockport and Madison College, 10 a.m. Women's field hockey, vs. Wilson, 1 p.m., two games.

Sunday, September 23 — Community reception for international students, everyone welcome, 3-5 p.m., Grace Lutheran Church social rooms.

Sunday, September 23 — Chapel Service, 11 a.m., Eisenhower Chapel. Kenneth W. Hybert, education.

Sunday, September 23 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

Films

Thursday-Saturday, September 13-16 — Arnold Air Society, "Summer of '42," 7 and 9 p.m., Room 105 Forum.

Wednesday, September 19 — Commonsplace Theatre, 8 and 10 p.m., Room 112 Kern. "A Midsummer Night's Dream," James Cagney, Mickey Rooney, Olivia DeHavilland.

Friday-Saturday, Sept. 14-15 — Graduate Student Association series, "Alice in Wonderland," 8 and 10 p.m., Room 112 Kern.

Seminars

Thursday, September 13 — Agronomy, 3:55 p.m., Room 112 Kern. Dr. James B. Bartoo, Dean of the Graduate School, on "Problems Associated with the Graduate Academic Environment."

Thursday, September 13 — Chemistry, 12:45 p.m., Room 310 Whitmore. Dr. Daryle H. Busch, Ohio State, on "Metal Complexes of Macrocyclic Ligands."

Thursday, September 13 — Physics, 3:35 p.m., Room 117 Osmond. Or. George Lang, on "Mössbauer Spectroscopy of Biological Molecules."

Thursday, Sept. 13 — Anthropology, 3 p.m., Room 101 Kern.

Friday, Sept. 14 — Economics, 2:30 p.m., Room 101 Kern.

Monday, September 17 — Biochemistry, 11:10 a.m., Room 101 Althouse Lab. Alec D. Keith, biophysics, on "General Use of Molecular and Biological Probes for Studies of Membranes."

Tuesday, September 18 — Engineering Mechanics, 4 p.m., Room 215 Hammond. Dr. Eugen Skudrzyk, physics, on "Sound Radiation from Complex Vibratory Systems."

Tuesday, September 18 — Biochemistry, 11:10 a.m., Room 101 Althouse Lab. Alec D. Keith, on "Spin Label Studies of Biological Membranes."

Thursday, September 20 — Chemistry, 12:45 p.m., Room 310 Whitmore. Dr. Murray Goodman, U-Cal at San Diego, on "Peptides: Synthesis, Structure, and Biomedical Properties."

Thursday, September 20 — Physics, 3:25 p.m., Room 117 Osmond. Pierre M. Ramond, Yale University, on "Relativistic Composite Particles."

Thursday, September 20 — Agronomy, 3:55 p.m., Room 301 Agri. Adm. Dr. James M. Beattie, Dean, College of Agriculture, on "Environmental Quality and Other Research Missions of Agriculture."

Lectures

Thursday, Sept. 20 — Art, 8 p.m., Zoller Gallery, Museum of Art. Sewell Silman, on "Josef Albers: Formulation-Articulation."

Wednesday, September 19 — 2:20 p.m., Room 230 Arts. Professor Colin M. Kraay, Keeper of the Hebrides Coin Room, Ashmolean Museum, Oxford, on "Timoleon and Corinthian Coins in the West."

Thursday, September 20 — Central Pennsylvania Society of the Archaeological Institute of America, 8 p.m., Room 112 Kern. Professor Colin M. Kraay on "Greek Coinage and History." Coffee hour will follow lecture.

Meetings

Thursday, September 13 — U.S.G. Academic Assembly, 7:30 p.m., Room 203 HUB.

Monday, September 17 — USG-Senate, 7:30 p.m., HUB assembly room.

Monday, September 17 — OTIS, 6:30 p.m., HUB assembly room.

Tuesday, September 18 — Liberal Arts Faculty, 3:55 p.m., Room 121 Sparks.

Tuesday, September 18 — Engineering Undergraduate Council, 7:30 p.m., Room 207 Kern.

Wednesday, September 19 — Graduate Council, 3 p.m., Room 101 Kern.

Wednesday, September 19 — A.W.S., 7 p.m., Room 233 HUB.

Thursday, September 20 — College of Education faculty, 3:45 p.m., Room 102 Kern.

Sunday, September 16 — Friends of India, 7 p.m., Room 12 Kern.

Interest Groups

Alpha Phi Omega, Mondays, 7 p.m., Room 308 Boucke.

Chess Club, Wednesdays, 6:30 p.m., HUB card room.

Chess Team, Thursdays, 6:30 p.m., Room 105 Sackett.

Eco-Action, Mondays, 8:30 p.m., Room 301 Boucke.

Focus on Sweden, Wednesdays, 7 p.m., Room 312 Boucke.

Gamma Sigma Sigma, Tuesdays, 7 p.m., Room 309 Boucke.

Interlandia Folk Dancers, Sundays, 7:30 p.m., HUB ballroom.

Young Socialists, 7:30 p.m., Mondays, Room 167 Willard; Wednesdays, Room 62 Willard.

S.I.M.S., Thursday, September 13, 8 p.m., Room 101 Chambers.

Thursday, September 13 — Orchestra, (old members) first meeting, 6:30 p.m., White.

Sunday, September 16 — Penn State Sports Car Club Autocross, 12 noon. Parking Lot 80. (Entries accepted at 10:30 a.m.)

Monday, September 17 — Color Slide Club, 7:30 p.m., Room 112 Kern.

Tuesday, September 18 — Rifle Club, women, 7 p.m., White.

Tuesday, September 18 — Orchestra, old and new members, 6:30 p.m., White.

Tuesday, September 18 — Fencing Club, 7 p.m., White.

Tuesday, September 18 — American Welding Society, 7:30 p.m., Room 232 Hammond. D. J. Snyder, U.S. Steel Corp., on "Welding Quenched and Tempered Steel."

Tuesday, September 18 — PSOC, Mountaineering division, 7:30 p.m., Room 214 Sackett.

Tuesday, September 18 — PSOC, Equestrian division, 7:30 p.m., Room 111 Animal Industries. Film.

Wednesday, September 19 — Gymnastics clinic (women), 7 p.m., White.

Wednesday, September 19 — PSOC Ski division, 7:30 p.m., Room 121 Sparks.

Thursday, September 20 — Women's Modern Dance Interest Group, 6:30 p.m., White.

Thursday, September 20 — PSOC, Canoe division, 7:30 p.m., Room 214 Boucke.

Artists Series

Should any tickets for the four performances of "Godspell" on the Artists Series remain, they will go on sale tomorrow (Friday, Sept. 14) at 9 a.m., in the HUB.

"Godspell," the hit musical show based on The Gospel According to St. Matthew, will be performed in Schwab Auditorium Saturday and Sunday, Sept. 15 and 16, at a 3 p.m. matinee and an 8:30 p.m. evening show both days.

The second Artists Series program will feature the National Ballet Saturday, Sept. 22, in Recreation Building, and tickets will go on sale to the general public Wednesday, Sept. 19, at 9 a.m., in the HUB. For students only, the sale will be on Tuesday, Sept. 18, at 9 a.m. in the HUB.

The National Ballet, founded in 1962 as the resident company of Washington, O.C., gave its first performance in January, 1963, and won instant praise from critics. Through this decade it has continued to gain fame, under the direction of Frederick Franklin and Ben Stevenson.



Scene from the hit musical, "Godspell," to be performed twice each day, Sept. 15 and 16 in Schwab Auditorium, on the Artists Series. The play won the Drama Desk and the National Theatre Arts Council Awards as well as the 1971 Grammy Award.

Official

Friday, September 14 — Last date for registering with foreign language departments other than French and Spanish for written language examinations.

Wednesday, September 19 — Add period ends, 5 p.m.

Exhibits

Pattee Library, Circulation Lobby — "Retrospect," multi-media drawings and paintings by Janet L. Dougherty.

Museum of Art — PSU Faculty Graphics. Gallery A, until September 16.

Kern Gallery — Shirley Sturtz, jewelry, prints, paintings, until September 22.

Paul Jay, pottery.

Zoller Gallery, Visual Arts — New Faculty Show, until September 16. Silman and Albers, opens September 19.



Wilkes-Barre Campus faculty and staff members made out well in their back-to-mature, beat-the-high-cost-of-living project this summer. Secretary Lorraine Mackowski, engineering professor Walter Sowa, and counselor Robert L. Sabatino stand in the middle of their successful gardens.

Wilkes-Barre faculty's success at gardening helps beat living costs

Wilkes-Barre Campus faculty, staff, and administrators settled on one sure method — Nature cooperating — to battle the cost of living increases by planting vegetable gardens on the campus last spring and have now completed a successful harvest of products for canning, freezing, and table use.

Campus director George W. Bierly announced in March that if enough faculty and staff expressed interest in "cost of living" gardens, he would set aside an area of the campus for the purpose. The response was slightly overwhelming. Walter Sowa, who as associate professor of engineering was the most logical person to

be picked for the job, was commissioned to lay out the garden plots and assign them to the interested people.

The scene ultimately was somewhat reminiscent of "Victory Garden" days of World War II. Soon faculty and staff members and their families were spending many evenings and weekend hours carefully nursing their crops, removing stones, raking, hoeing, etc.

The result of the hard work was a bountiful crop of corn, peppers, tomatoes, beans, carrots, peas, squash, parsley, radishes, cucumbers, and red beets. Still to be harvested is an apparently good crop of potatoes.

New leave of absence policy for students will begin Winter Term

A leave-of-absence policy for students, developed by the Division of Admissions, Records and Scheduling, will go into effect in the Winter Term, which begins December 6.

The plan is designed to allow students greater flexibility in their programs of study and, at the same time, provide faculty and administrators the means by which to plan for a student's return to the University.

For the present, the leave of absence option will be available only to associate and baccalaureate degree students and carries a four-term or one-year limit. However, under special circumstances, it will be possible to extend the leave period to a maximum of eight terms or two years.

The option is to be available at the University's 17 Commonwealth Campuses and the Behrend College, as well as at University Park Campus.

Under the procedure, a student wishing to take a leave will complete the required form and submit it to the Records Office at University Park. The dean of the student's college at University Park or the director of his campus will determine a stu-

dent's eligibility to take a leave of absence. Generally, any student who would continue in his program for the next term if he remained consecutively enrolled would be approved for a leave of absence.

The student will return for registration for the term indicated on his request form.

If a student returns earlier or later than he has specified, he must apply for readmission. If degree requirements change while a student is on leave of absence, he will be held to those requirements in effect prior to his taking leave.

It is expected that the new option will be helpful in encouraging students to attend Penn State under a flexible attendance pattern.

According to Warren R. Haffner, director of the Division of Admissions, Records and Scheduling, department personnel will be able to project course offerings and requests, based on the number of students who are returning for a particular term.

At the same time, he said, administrators will be able to plan for students' returns as far as University planning and facilities are concerned.

A lap in 90 seconds to break mark

Faculty in 60-mile race Sunday

Twelve ambitious Penn State faculty and staff members — average age 37.5 years — will attempt to break a world's record for Seniors running a team race of 60 miles.

The event is scheduled for Sunday, Sept. 16, starting at 1 p.m. at the all-weather track of the State College High School. The team was organized by Dr. John Lucas, associate professor of physical education, who has actively promoted running here as a physical fitness activity for faculty members.

The record that the team will attempt to break was made recently by Southwest Missouri College, which completed a 60-mile run in 6 hours, 55 minutes and 21 seconds.

The Penn State team will include the following, each of whom will run five miles:

Dr. Harry Gahagan, physical education; Dr. John White, horticulture; Dr. G. Thomas Tait, physical education; Kent Addis, Continuing Education; Dr. Robert Farwell, Ap-

plied Research Laboratory; F. Wally Luter, Conference Center; Dr. David R. Vomer, electrical engineering.

Also, Dr. T. V. Hershberger, animal nutrition; Dr. Richard B. Mansfield and Dr. Torrence Parsons, both mathematics; Dr. Peter Cavanagh, biomechanics; and Dr. L. Colton, Penn State Foundation.

Should any of the original 12 be required to drop out, seven alternates will be available. Dr. J. J. Coyle, business logistics; Dr. Herschel Leibowitz, psychology; Mark D. Johnson, political science; Dr. George Etzweiler, electrical engineering; Dr. M. T. Pigott, Applied Research Laboratory; Dr. Richard J. Bord, sociology; Dr. Harry Groves, physical education; Dr. Forrest Long, horticulture.

The participants will be expected to run five continuous miles; it is hoped that they will run each quarter-mile lap in 90 seconds or less in order to break the record.

Colloquy talks on science fiction

The first 1973-74 program of the newly reorganized COLLOUUY will continue today (Thursday, Sept. 13) with additional discussions by science fiction writers attending the conference of the Science Fiction Research Association to be held in the J. O. Keller conference center.

The COLLOUUY program opened yesterday with a talk by John Brunner, of England.

The talks today will center around issues of the future, with writers Gordon Dixon, Science Fiction Writers of America; Frederick Pohl, of Bantam Books; and Theodore Sturgeon, "New York Times Book Review." The session will be held at 8 p.m. in the HUB ballroom, and a reception will follow in the HUB reading room.

On Monday, Sept. 17, Leslie Fiedler, of SUNY-Buffalo, and Roger Zelazny, Science Writers of America, will debate the subject of science fiction writing. The session will be held in Schwab Auditorium at 8 p.m.

All of these sessions are sponsored by COLLOUUY and are open to everyone.

NEWS —

(Continued from page one)

of activities with the Department of French. President of the organization currently is Mme. Lucie Heymann, 237-5167, who may be contacted for more information and enrollment in the group. Honorary president is Dr. Laurent LeSage, professor of French.

INVENTION PATENTED

James D. Weir, assistant professor of engineering research at the Applied Research Laboratory, is the inventor of a transistor delay line driver for which U. S. Patent No. 3,750,040 has been granted. The invention relates to a transistor current amplifier that incorporates a high-gain amplifier consisting of a regular transistor with a Field Effect Transistor as the collector load. This is followed by Darlingtontype transistors that provide bias current and feedback through an input resistor between emitter and ground of the high-gain amplifier. Output is taken from the collector of the Darlington pair.

APPOINTED TO COMMITTEE

Dr. Rustum Roy has been appointed to the joint Advisory Committee of the National Endowment for the Humanities and the National Science Foundation on the Ethical and Human Value Implications of Science and Technology. Dr. Roy, director of the Materials Research Laboratory, has been active both on and off campus in the area of concerns encompassed by the Committee, which has been charged with providing guidance to national programs in that area.

SILKSREENS AND DRAWINGS

The Zoller Gallery (Arts Building) exhibit opening September 19 is an unusual display of a portfolio-book of silkscreens made by Sewell Silman of a selection of works of artist Josef Albers.

Silman, as a partner of designer Norman Ives, pioneered the portfolio-book art form in this country and is a specialist in color and silkscreen processes. He will visit

Children's games classes scheduled

Registration will be held Monday through Wednesday of next week (Sept. 17-19) for enrollment of children in games and gymnastics classes conducted each year by the College of Health, Physical Education and Recreation.

The classes, for children of faculty and staff members and other area residents will meet Wednesday and Thursday afternoons, beginning the week of Sept. 17 and continuing through the week of Sept. 24. Children should be enrolled for one class only; two selections will be scheduled each afternoon, one class for children first and second grades and another for those in grades three and four.

The number is limited in all classes a selection will be made in order of registration, which must be accomplished either the child or the parent; aquatics not register for children of another family.

Registration will be carried out in Room 145 White Building from 9 a.m. to noon and 2-4 p.m. each of the three days.

the department of art Sept. 19, 20, and 21, lecturing and working with students. He will give a public lecture Thursday, Sept. 20, at 8 p.m. in the Gallery, discussing the portfolio-book, "Josef Albers: Formulation, Articulation," and his own drawings, some of which will be exhibited also in the Zoller Gallery.

Albers, German-born artist, came to the U.S. in 1933 and in 1950-58 served as head of the Yale University art department. He has gained many laurels both in Europe and in this country.

ARTWORK WANTED

Anyone interested in exhibiting original art work, handmade articles, or items of educational interest in Pattee Library asked to contact Linda Viau, in charge of exhibits for the library, at 865-9551. Several areas of the library are given over to displays of paintings, crafts, and other art media works provided by student faculty and staff, and area residents.

CHAPEL COFFEE

Preceding the weekly nondenominational religious service in the Helen Eakin Elstower Chapel each Sunday at 11 a.m. (services Sept. 28 and Oct. 30 are in the Music Building recital hall), an informal coffee "half hour" will be held in the Chapel lounge. Coffee, doughnuts and juice will be available. Chapel services are for all students, faculty, staff and area residents, and they are also welcome at the pre-service get-together.

AUTOCROSS SCHEDULED

The Penn State Sports Car Club combining with the General Pennsylvania Region, Sports Car Club of America, staging an "Autocross" Sunday, Sept. 16. In Parking Lot 80 (along Park Ave., west of East Halls). Registration of cars for the event will begin at 10:30 a.m.; the first event will begin at 12 noon. Prizes will be awarded to winners in each of the various classes and will be awarded.



The Penn State Sports Car Club, in cooperation with the Central Pennsylvania Region Sports Car Club of America, will stage an Autocross Sunday, Sept. 16, in Parking Lot 80 (the area along Park Road, west of East Halls). The race against time starts at 12 noon, but cars entered will be registered beginning at 10:30 a.m. There is no admission charge for spectators. Prizes are awarded to winners in various classes.

PENN STATE intercom

Volume 2, Number 3

September 20, 1973

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

News in brief

CREATIVE DRAMA

Registration for Children's Creative Dramatics classes, conducted by Helen Manfull in the department of theatre arts, is now underway, and may be made by calling 865-7586. The classes will be held Tuesdays and Thursdays, beginning Sept. 25 and ending Nov. 15. Children enrolled in kindergarten will attend from 2:20 to 3:20 p.m., and those in fifth and sixth grades will attend from 3:45 to 4:45 p.m. The classes will be held in Pavilion Theatre. The classes give graduate students in theatre arts a laboratory experience in directing creative drama, which serves to develop the imagination and creativity of the participants.

ARCHITECTURAL MODELS

On display in the Gallery, third floor of Sackett Building, is an exhibit of architectural models designed by 20 students under the direction of Harold R. Lawrence, assistant professor of architecture. The displays, single- and three-dimensional, will

remain until Oct. 5. They demonstrate the students' diverse approaches to understanding the integrative development of systems, considered an essential part of their architectural education.

HERSHEY CLASS

A record enrollment of medical students at the Hershey Medical Center has been set with the registration of 307 students for the current term. In part, the record has been set because the largest entering class, 86, was admitted this term; the new admissions double those of the first class in 1967. The total number of persons in training — including graduate students, nursing students, physician assistants, postdoctoral fellows and hospital residents — has topped 520.

GYMNASTICS CLINIC

Margaret Gilmour, former Penn State gymnast and a nationally rated USGF-DGWS judge, will conduct a workshop, Saturday, Sept. 22, for anyone interested in learning the USGF-DGWS Gymnastics Compulsory Routines for girls. The workshop will be held in the Gymnastics Room in White Building, beginning at 10 a.m. Fur-

ther information may be obtained from Elizabeth Hanley, women's gymnastics coach from 1969 to 1972 and now a judge herself.

HORT SHOW UPCOMING

The 60th annual Horticulture Show, staged by the Horticultural Club as a feature of Homecoming Weekend, will be held at the Ice Rink Pavilion Saturday and Sunday, Sept. 29 and 30. The show will be open from 10 a.m. to 8 p.m. Saturday and 10 a.m. to 4 p.m. Sunday. Five exhibits and a sales area will occupy the 10,000 square feet of exhibit area. At the close of the show Sunday, many plants used in the exhibits will be sold.

NURSES CONFERENCE

Nurses from the Commonwealth Campuses are taking part in a two-day Student Health Services Conference today and tomorrow at the Nittany Lion Inn.

The conference has been organized by Dr. Ralph E. Pilgram, associate medical director of University Health Services for the Commonwealth Campuses.

Members of the medical and dental staff

(Continued on page four)



"Alberto," an oil painting on canvas by Giovanni Giacometti, is one of many works by "Three Swiss Artists" to be exhibited at the Museum of Art beginning Sunday.

Exhibit of three Swiss artists opening Sunday

The unique combination of personnel and facilities at Penn State were credited by Dr. Walters added, "that the quality of the Museum of Art is a credit to the quality of the University." The paintings will be shown at the Guggenheim Museum in New York, at Harvard University, and in the Utica, N.Y., museum.

The exhibit includes works by Augusto Giacometti, Giovanni Giacometti, and Cuno Amiel, all born in Switzerland between 1863 and 1877. Augusto, father of the sculptor Alberto Giacometti, produced a pair abstract painting in 1898, 12 years before the famous watercolor of Russian abstract painter Kandinsky, who with Paul Klee was said to have initiated German expressionism.

Dr. George Mauner, professor of art history, and William Hull, Museum director, have arranged the exhibit. In conjunction with it, a color film of the life and art of Amiel will be shown at the Museum at designated times to be announced.

Also, a piano recital will be held in the Museum Gallery C, Sunday, Oct. 7, by the Swiss concert pianist, Elisabeth Helm, a music professor at the university at St. Gallen. The recital, at 3 p.m., will require tickets, which will be sold at the Museum store beginning Oct. 2.

Skylab pilot is Alumni Fellow

Capt. Paul J. Weltz, USN, who piloted the Skylab II spacecraft, will serve as an Alumni Fellow Sept. 27-29, giving a public lecture Thursday at 8 p.m. in Recreation Building.

Tickets of admission will be required, but they are free of charge; they may be obtained from the Alumni Association.

(Continued on page four)

Doesn't fit the common image of a reclusive librarian

Stuart Forth seeks student, faculty contacts

The office of Penn State's recently arrived dean of libraries is on the top floor of Patton's new east wing. It's a spacious room with a view through the tree tops, and Dr. Stuart Forth is enjoying it — with reservations.

"The faculty and librarians I've met since I came here in July are an exciting group," he says, "and I'd like to get to know more of them. This office is so far off the beaten path, however, that I'm afraid it will prevent people from dropping in just to visit and to offer suggestions or complaints."

"I'd like the academic community to

know that if they tell me what their problems are, we'll help them if we can. If we can't, I'll tell them that, too, and try to work out some way to make things happen."

Dean Forth came to Penn State from the University of Kentucky, where he was director of libraries and a professor of library science. Further proof that he does not fit the popular image of the reclusive librarian emerges from a glance at his activities there. In addition to his professional duties, he served as acting vice president for student affairs from 1968 to 1970 — during

what were probably the worst two years of the century to hold such a post.

"I like working with students," he says, "and I knew a lot of them socially from having served as an advisor to various student groups. But I was still surprised when, in the course of a courtesy call on the new president of the University, I asked him if there was anything I could do to help, and he immediately said yes, would I take the job on an acting basis until they found someone else."

"That search took two years. At first, our situation wasn't too bad despite all the troubles at other campuses, since the University of Kentucky student body was pretty conservative. However, when the Governor sent the National Guard to our campus in the aftermath of Kent State, the students worked up their concerns."

Throughout, Dean Forth managed to retain his support with most campus groups, to the extent that the very student newspaper which had frequently attacked his policies turned around and elected him president of its board of directors after he stepped down from his student affairs position.

"With typical student casualness, they didn't bother to tell me of my election," he recalls, "and I read about it in the Louisville paper."

Because of his genuine interest in undergraduates, Dean Forth is excited about the potential inherent in Penn State's undergraduate libraries.

"It's expensive, because you have to duplicate some resources and services, but with a big student body, the opportunity exists to reach out to them and teach them how to use the library's research collections," he explains. "It is one of the library's major responsibilities."

"I'm astonished by how many students don't know a bibliography from a hockey puck. Some departments offer good bibliography courses, but they rarely venture outside their field, and too often students are just thrown out to sink or swim."

A native of Michigan, Dean Forth re-

(Continued on page four)



Dr. Stuart Forth, dean of libraries, seeks faculty contact.

Death

Col. William H. Cox, admissions director for veteran and freshman counselor, died Sept. 10, while in his office. He was 56, retired for five years from the U.S. Army, having served for 28 years. A graduate of West Virginia University with a B.S. in agriculture in 1940, he earned his commission as a second lieutenant in the Infantry. He entered into active duty in 1942, after working for the U.S.D.A. for two years. In 1950-53 he served as an associate professor of military science at Penn State and in 1955-58 was at the University of Richmond as professor of military science. In World War II he served in Europe, and his active service also took him to Thailand, Greece, and Washington, D.C. He won the Legion of Merit.

Honors

Dr. Carl S. Bittner, professor emeritus of horticulture extension, has been elected Fellow of the American Society for Horticultural Science. Appointed to the Extension Staff in 1947, he retired in 1970.

Leave

Dr. James Kollias, associate professor of applied physiology, began a year's leave of absence Sept. 1 in order to join a team of researchers at NASA's Ames Research Center for a study of the effects of bed rest and physical reconditioning on women. He has been awarded a senior post-doctoral resident research associationship by the National Research Council. Dr. Kollias helped to design the study, and his particular interest is in the changes of physical work capacity and fluid and electrolyte balance in space. NASA has initiated a study on the tolerance of women to various environmental conditions, because it is presumed that they will join space crews in the future.

Staff vacancies

This announcement is made so that all university employees who are interested in promotion may apply by calling the Employment Office, 865-1387 (Newline 454-1387). Do not contact the area that has the vacancy. Applications for these staff vacancies will be accepted until:

5 p.m., Thursday, October 4, 1973

ADMINISTRATIVE ASSISTANT

COLLEGE OF EDUCATION

University Park

Responsible for assisting in the administration of department educational programs, including the scheduling of classes and the coordination of admissions. A Bachelor's degree and at least two years of related administrative work are desired.

ART ASSISTANT

CONTINUING EDUCATION

University Park

Responsible for the design and execution of art work, as assigned, for use in television or film production, for public display, or as visual aids for lectures, conferences, etc. A Bachelor's degree in Art, or equivalent, from an art institution and at least two years of related experience in television or film set design or construction are desired.

ASSISTANT FILM COORDINATOR

CONTINUING EDUCATION

University Park

Responsible for providing film services to the various production and programming areas, including the scheduling of personnel and equipment. A Bachelor's degree in broadcasting, journalism, or a related field and at least two years of experience in this field are desired.

ADMINISTRATIVE ASSISTANT

Hershey Medical Center

Responsible for business and administrative functions of the department, including budgetary responsibilities, personnel administration, purchasing, departmental operational policies, and liaison with other departments. This is an individual vacancy basis. Applications for such positions may be made at any time and we are welcome to make inquiries known near to the Employment Division for future consideration when vacancies occur. These positions are:

At Hershey Medical Center — Registered Nurses; Practical Nurses; X-ray Technologists; Medical Technologists (ASCP); Cardiology Technician; J.R. Research Technicians.



SERVICE AWARD

Dr. C. Leonard Feigus, left, professor of botany, received the 23rd Year Service award from College of Science Dean Thomas Wauk recently. A graduate of Ottawa (Kansas) University, with a degree in biology-chemistry, he received a master's degree from Kansas State University in 1942, after serving there as a graduate assistant for two years. He was a lieutenant in the U.S. Navy for the next three years. In 1948 he came to Penn State as instructor in botany and received his Ph.D. in botany; the following year he was named assistant professor, was advanced to associate professor in 1953 and full professor in 1960. He was interested in oak wilt disease early in his career, identifying the disease in the Commonwealth in 1950. In 1962 and again in 1969 he spent six months in Switzerland, primarily at the E. Heuser Champignon Laboratories near Zurich, in his research on fungi and mushrooms. He prepared a manual on "Illustrated Genera of Wood Decay Fungi," published by Burgess Publishing Co. in 1962 and is the author of "Laboratory Guide to Studies in Botany," published by William C. Brown in 1967. He has served as the editor of the publication "Phytopathology."

All faculty, staff eligible for membership

Credit union expanding services

Now in its 14th year of operation, Penn State's Credit Union is seeking to expand its activities both at University Park and the Commonwealth Campuses.

Credit unions are savings and borrowing institutions which a group of people are allowed by law to set up for their own benefit. They are membership corporations chartered by the state or federal government.

Membership in Penn State's Credit Union is open to any full-time or part-time employee of the University or to members of their immediate family living under the same roof. To join, a membership fee of 25 cents is required plus a purchase of at least one \$5.00 share.

With their shares, members become part owners of the Credit Union and have one vote at all membership meetings. Because the Credit Union operates in accordance with federal laws — including those requiring adequate reserves — each account insured up to a maximum of \$20,000 with the National Credit Union Administration, a government agency.

Every dollar which a member saves, up to \$2,000, earns free life insurance benefits, provided he or she is between the ages of six months and 55 years. There are no physical examinations and very liberal health requirements. Reduced life insurance benefits are included for shares purchased between ages 55 and 70 years.

This life insurance remains in force for as long as members leave their shares in the Credit Union. In the event of death, the designated beneficiary receives the insurance money earned.

Shares purchased by the tenth day of the month earn dividends from the first, and during the first two quarters of 1973, dividends were paid at an annual rate of 5.25 percent. Dividends for the third quarter have been declared at 5.50 percent.

Members who wish to take advantage of Credit Union loans may borrow up to \$2,500 without security. For loans over this amount, security is required or a co-signer. Automobile and mobile home purchases are frequently financed.

Current interest rates, as established by the Board of Directors, are one percent per month on the unpaid balance of the loan, an annual percentage rate of 12 percent. Within the time limit set by law, terms of repayment are arranged to fit the needs of individual members.

All loans are insured at no cost to members. If a member dies before age 70 or becomes totally or permanently disabled before age 60, the loan balance is paid up to the maximum of \$10,000.

Faculty or staff at the University who may be paid monthly or biweekly on a regular basis can purchase shares in the Credit



Dr. James C. Wambold, left, president of the Penn State Federal Credit Union, and Raymond Dimeo, a director, go over plans for adding to the services the Credit Union provides to its members.

Union or repay loans by authorizing payroll deductions. Authorization cards are available from the Credit Union office located in the Telephone Bldg. at University Park. The phone number is 863-0265.

Beginning modestly in 1959, Penn State's Credit Union had assets of \$1,217,021 and a membership of 2,126, as of Aug. 31, 1973. Its administrators, who serve without pay, include: James C. Wambold, president; Norman Sud, treasurer; Anthony V. Williams, secretary; and Richard A. Keppeler, Geraldine Gage, and Raymond Dimeo, directors.

The Supervisory Committee is composed of George E. Olson, chairman; Bruno J. Martini, secretary; and John E. Olson, William E. Toombs serves as chairman of the Credit Committee and Harold F. Graves as its secretary. Members are Bernard Wydra and Michael Futrick.

Women's clubs hold reception

A joint reception of the Faculty Women's Club and Newcomers' Club will be held Tuesday, September 25, from 7:30 to 9:30 p.m. in the Hotel Union ballroom.

All faculty women and all wives of faculty members and administrators including staff exempt positions are invited to attend. Wives of visiting faculty and visiting faculty women are invited to attend also. A courtesy membership is extended to those who are here for six months or less. Questions concerning eligibility should be directed to Mrs. William Christoffers, 237-2366.

Mrs. John Oswald, honorary president of the Faculty Women's Club, will receive guests along with Mrs. Rodney Rhodes, president of the Faculty Women's Club, and Mrs. Richard Tressler, president of the Newcomers Club.

Funding opportunities

For more information, call 865-1372 except when noted below, and refer to the item by its number and the general information provided. People will grants information for dissemination in this column should call the same number.

September 20, 1973

(98-1) The U.S. Department of Interior Office of Water Resources Research (OWRR) now accepting unsolicited research proposals in the field of water resources for consideration for FY1975, beginning July 1, 1974. Proposals may be submitted at any time, but FY1975 supports will be considered only for the proposals received Jan. 11, 1974. Proposal materials, the procedure for submitting proposals, and other information are available from Dr. A. J. McDonnell, Director of Penn State's Water Resources Center, Land & Water Research Building (865-3933). Although OWRR will consider the eleven research subject areas funded last year, this year primary emphasis will be directed toward certain priority objectives of the Dept. of the Interior. These objectives include: solving of energy problems; encouraging Indian self-determination and improvement in the quality of life on Indian reservations; solving land use problems; and providing for the conservation of scarce water and water-related resources compatible with the environment, etc., i.e. recycling, irrigation, etc.; and improving the quality of our physical environment. Early contact with A. J. McDonnell is suggested.

(98-2) The National Academy of Sciences announces opportunities to exchange visits in its USNR and USNR-Europe in Academic Year 1974-75 in the physical and biological sciences including mathematics and engineering sciences, and social and behavioral sciences. Any American scientist is eligible for consideration if he possesses the doctoral degree or would receive it prior to the exchange visit. Visits are for a one-month familiarization or three to twelve months for research. Loss of salary up to \$1500 per month is paid plus other allowances and travel. The application deadline is Nov. 21, 1973 but preliminary inquiries must be received by Nov. 7, 1973. For information and forms write to: Office of the Foreign Secretary (USNR/EE), National Academy of Sciences, 2101 Constitution Ave., N.W., Washington, D.C. 20418 (202)961-1228.

(98-3) To help educational institutions in provide instruction and more effective use of resources in the humanities, the Education Division of the National Endowment for the Humanities supports Project, Planning, Program, and Development grants. Project and Planning grants have Nov. 1 deadline — earlier draft proposals are needed (end deadline May 15). Project grants are to develop and test innovative approaches to humanities education especially to provide models for other institutions. Specific areas of research priority include: experiments in humanistic education; development of teaching materials, educational use of libraries, training institutes, conferences, and development of interdisciplinary courses and programs; 10% cost sharing is required on awards above \$25,000. Planning grants are for progressing from identified areas to the development of a formula for improving the status of humanities. These grants are usually limited to \$50,000 for a 12-month period. Contact Dr. Roy Rosenblatt, Director, Div. of Education, NEH, 80 15th St., N.W., Washington, D.C. 20506 (202)351-5881.

(98-4) The Division of Research Grants, National Endowment for the Humanities, considers applications for support of original, basic research, and editing projects in the humanities. Proposals for supporting the humanities are also invited. Projects bearing on major areas of current temporary public concern are of special interest. Projects contributing to the forthcoming 8th centennial of the American Revolution. Few grants exceed \$35,000. The next two deadlines are Nov. 19 and May 7, but earlier contact with the Division is encouraged. For this purpose contact: D. Wambold, 20418 (202)351-5881. Contact Dr. Roy Rosenblatt, NEH, 806 15th St., N.W., Washington, D.C. 20506 (202)382-5857.

(98-5) Committee on International Exchange of Persons (CIP) Constitution Ave., Washington, D.C. 20540 has announced the award of 23 Fulbright-Hays awards for younger scholar to 1974-75 involving lecturing in American Studies in Belgium, France, Germany, Italy, and the Netherlands in Belgium. These are intended primarily for post-doctoral scholars. The application deadline is Nov. 1, 1973. For further information and application blanks write to address given above.

(98-6) International Research and Exchange Board (IIR) 59th St., New York City, announces positions for faculty and graduate students wishing to conduct research in the USSR. Deadline for applications Nov. 1 (students), Dec. 1 (faculty). Grants cover travel, subsistence, and community educational grants. Personnel Development Programs, Fellowships for Younger Humanities, Summer Stipends and Selected Grants, and Summer Stipends. For more information write to: IIR, 59th St., New York City 10019. For NSF Student Original Studies program fall Sept. 6 INTERCOM 956-1.

REMINDERS DEADLINE DATES

Oct. 15 for NSF Institution Implementing Programs (Aug. 30 INTERCOM 955-4); for NSF Latin American Cooperative Science Program (Sept. 6 INTERCOM 956-2); and for NSF Film Grants, Exhibition Grants, Community Educational Grants, Personnel Development Programs, Fellowships for Younger Humanities, Summer Stipends and Selected Grants, and Summer Stipends. For more information write to: IIR, 59th St., New York City 10019. For NSF Student Original Studies program fall Sept. 6 INTERCOM 956-1.

University Calendar

September 20-30, 1973

Special Events

Friday, September 21 — Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.
Saturday, September 22 — Women's gymnastics workshop for compulsory routines for girls, 10 a.m., White Building.
Saturday, September 22 — Artists Series, National Ballet, 8:30 p.m., Rec Hall.
Saturday, September 22 — Free-U jammy, 7-11:30 p.m., HUB ballroom.
Saturday, September 22 — Sports: Women's golf, vs. SUNY-Brockport and Madison College, 10 a.m. Women's field hockey vs. Wilton, 1 p.m., two games.
Sunday, September 23 — Chapel Service, 11 a.m., Eisenhower Chapel. Kenneth W. Hyibert, education.
Sunday, September 23 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center. Reverend Robert G. Murray, Durham, N.C.
Sunday, September 23 — Community reception for international students, everyone welcome, 3-5 p.m., Grace Lutheran Church social rooms.

Sunday, September 23 — Pre-Vet Club faculty-student picnic, 3 p.m., dinner at 4:30 p.m., Sunset Park, N. McKee St. (Sign up at 111 Animal Industries by Sept. 21.)
Monday, September 24 — Flag Football (Co-ed) Intramurals, entries due 4 p.m., Room 105A White.
Tuesday, September 25 — Faculty Women's Club-Newcomers Club reception, 7:30-9:30 p.m., HUB ballroom.
Tuesday, September 25 — Comparative Literature Luncheon, HUB Dining Room A, 12:15 p.m. Stuart Fort.
Tuesday-Wednesday, September 25-26 — Free U registration for Fall Term courses, HUB assembly room, 9 a.m. to 4 p.m.
Wednesday, September 26 — Alard String Quartet, 8:30 p.m., Music Bldg. recital hall.
Thursday, September 27 — German Forum, 7:30 p.m., Room 124 Sparks. Otto Poegele.
Friday, September 28 — Artists Series, Seth McCoy, tenor, 8:30 p.m., Schwab.
Friday, September 28 — Folk and Square Dance Roundup, 7:30-9 p.m., North Gym, White.

Friday, September 28 — Groove Phi Groove, 10 p.m.-3 a.m., HUB ballroom.
Friday, September 28 — Freshman Football vs. Middle Academy, 3 p.m.
Friday, September 28 — Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.
Saturday, September 29 — Penn State Glee Club Homecoming Concert, 7 p.m., HUB ballroom.
Saturday, September 29 — Football, vs. Iowa, Beaver Stadium, 1:30 p.m., Homecoming.
Saturday, September 29 — Concert Committee Program, 8 p.m., Rec Hall.
Saturday, September 29 — PSOC Sailing Division Regatta, noon, Stone Valley.
Saturday, September 29-30 — Horticulture Show, Ice Rink Pavilion. Open Saturday, 10 a.m. to 10 p.m.; Sunday, 10 a.m. to 4 p.m.
Sunday, September 30 — Chapel Service, 11 a.m., Music Bldg. recital hall. Luther Harshbarger, religious studies.
Sunday, September 30 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center. Reverend M. B. Spiller, St. Paul's AME Church, Bellefonte.



Tickets for the talk by Alumni Fellow, Capt. Paul J. Weitz, USA, Skykay II pilot, to be held Thursday, Sept. 27 at 8 p.m. in Rec Hall are now being distributed, free of charge, at the HUB, the Alumni Office in Old Main and in Room 101 Hammond Bldg.

Seminars

Thursday, September 20 — Chemistry, 12:45 p.m., Room 310 Whitmore. Dr. Murray Goodman, U-Cal at San Diego, on "Peptides: Synthesis, Structure, and Biomedical Frontiers."
Thursday, September 20 — Physics, 3:25 p.m., 117 Osmond. Pierre M. Ramond, Yale University, on "Relativistic Composite Particles."
Thursday, September 20 — Agronomy, 3:55 p.m., Room 301 Agri. Adm. Dr. James M. Beattie, Iowa College of Agriculture, on "Environmental Quality and Other Research Missions of Agriculture."
Thursday, September 20 — Engineering Acoustics, 4 p.m., Room 71 Willard. Oliver H. McDaniel, mechanical engineering, on "Sound Absorbing Materials."

Thursday, September 20 — Meteorology, 3:55 p.m., Room 26 Mineral Science. Dr. Ron Schwiesow, National Oceanic and Atmospheric Administration, Environmental Lab., on "Meteorological Applications of Doppler Lidar."
Monday, September 24 — Entomology, 4 p.m., Room 204 Patterson. Dr. Charles Schwalbe, on "Relationships between 'Trogoderma Glabrum' and a Protozoan Pathogen."
Monday, September 24 — Analytical Chemistry, 1 p.m., Room 310 Whitmore. Dr. T. H. Risby, on "Thesis Topics in Analytical Chemistry."
Tuesday, September 25 — Chemical and Nuclear Engineering, 4 p.m., Room 140 Fenske Lab. Dr. Matthew J. Reilly, National Academy of Engineering, on "Integrated Utility Systems — A Preliminary Evaluation."
Tuesday, September 25 — Operations Re-

search, 3:45 p.m., Room 267 Willard. Dr. J. Frank O'Connor, agricultural economics, on "Optimal Strategies for Dynamic Planning under Uncertainty."
Tuesday, September 25 — Engineering Mechanics, 4 p.m., Room 215 Hammond. Dr. A. D. Stuart, A.R.L., on "Acoustic Radiation from Point-Excited Infinite Plates."
Tuesday, September 25 — Graduate Air Pollution Control, 2:30 p.m., Room 104 Fenske Lab. Dr. Hans Panofsky, Atmospheric Science, on "Effect of Pollution on the Climate."
Wednesday, September 26 — Fuel Science, 4 p.m., Room 341 Deike. Dr. Gary L. Haller, Yale University, on "Comparative Energy Requirements in the Manufacture of Steel, Aluminum, Glass, and Plastic."
Wednesday, September 26 — Ceramic Science, 2 p.m., Room 244 Deike. M. H. Hodge, T. R. W. Corp.

Thursday, September 27 — Philosophy, 4 p.m., Laurel Room, Nittany Lion Inn. Dr. James Sheridan, Allegheny College, and Dr. Carl Hausman, head of philosophy, on "A Theory of Value," with audience discussion.
Thursday, September 27 — Chemistry, 12:45 p.m., Room 310 Whitmore. Wade Fire, University of Pittsburgh, on "Associative Ionization Reactions in the Gas Phase."
Thursday, September 27 — Physics, 3:35 p.m., Room 117 Osmond. Donald N. Langenberg, University of Pennsylvania, on "Recent Studies of the Josephson Effects."
Thursday, September 27 — Agronomy, 3:55 p.m., Room 301 AB Agri. Adm. Benjamin Reynolds, Green Valley Farms, on "Spray Irrigation, Crop Production and Land Development."

Films

Friday-Saturday, September 21-22 — Student SF films, 7 and 9 p.m., HUB assembly room. "Burn, Witch, Burn."
Wednesday-Thursday, September 26-27 — Commonsplace Theatre, 8 and 10 p.m., Room 112 Kern. "The Great Escape."
Thursday-Sunday, September 27-30 — Arnold Air Society, 7 p.m. and 9 p.m., Room 105 Forum. "The Ballad of Cable Hogue."
Friday-Saturday, September 28-29 — Student SF films, 7 and 9 p.m., HUB assembly room. "Bedazzled."

PSOC, Canoe division, Thursday, September 20, 7:30 p.m., Room 214 Boucke.
Women's Modern Dance Interest Group, Thursday, September 20, 6:30 p.m., White.
Penn State Barbell Club, Tuesday, September 25, 7:30 p.m., Room 151 Willard.
Pre-Vet Club, Wednesday, September 26, 7:30 p.m., Room 111 Animal Industries.
Lambda Alpha Epsilon, Wednesday, September 26, 7 p.m.
Nitty nitty Grotto, Wednesday, September 26, 7:30 p.m., Room 273 Willard.
Penn State Sports Car Club, Wednesday, September 26, 7:30 p.m., Room 365 Willard.
Election of officers and speaker, PSOC, Sailing division, Thursday, September 27, 7:30 p.m., Room 214 Boucke.
Tau Beta Pi, Wednesday, September 26, 7 p.m., Room 373 Willard.

Official

Thursday, September 27 — Last date for a December graduate to pay thesis fees and to activate diploma card in Registrar's office.
Thursday, September 27 — Last date for registering with Educational Testing Service, Princeton, for French and Spanish written language exams.
Thursday, September 27 — File for Pass-Fail.
Thursday, September 27 — File repeat course forms.
Friday, September 28 — File for Pass-Fail.
Friday, September 28 — File repeat course forms.

Lectures

Thursday, September 20 — Central Pennsylvania Society of the Archaeological Institute of America, 8 p.m., Room 112 Kern. Professor Colin M. Kraay on "Greek Coinage and History."
Tuesday, September 25 — "Three Swiss Artists," by Hansjakob Diggelmann, Swiss Institute of Art Research, Zurich, 3 p.m., Museum of Art.
Thursday, September 27 — "Skykay Report," by Skykay II pilot, Capt. Paul J. Weitz, 8 p.m., Recreation Building (Alumni Fellow Program).

Exhibits

Kern Gallery — Shirley Sturtz, jewelry, prints, paintings, until September 22.
Paul Jay, pottery, Black Images, photography-ACU-I, opening September 23.
June Stoyer, acrylic paintings, opening September 23.
Zoller Gallery, Visual Arts — Silman and Albers.
Pattee Library, Circulation Lobby — "Retrospect," multi-media drawings and painting by Jane Dougherty.
Sackett Building Gallery, third floor — Architectural models, until Oct. 5.

Meetings

Thursday, September 20 — U.S.G. Academic Assembly, 7:30 p.m., Room 203 HUB.
Thursday, September 20 — College of Education Faculty, 3:45 p.m., Room 102 Kern.
Monday, September 24 — USG Senate, 7:30-10:45 p.m., HUB assembly room.
Monday, September 24 — OTIS, 6:30-7:30 p.m., HUB assembly room.
Tuesday, September 24 — Panhellenic Council, 6:30 p.m., Kappa Alpha Theta, Wolf.
Monday, September 24 — College of Education Student Council, 7 p.m., Room 317 Boucke.
Tuesday, September 25 — College of Arts and Architecture faculty, 4 p.m., Room 122 Music Bldg.
Tuesday, September 25 — College of Agriculture faculty, 4 p.m., HUB assembly room.
Tuesday, September 25 — ARHS, 7:30-9:30 p.m., Room 203 HUB.
Wednesday, September 26 — A.W.S., 7 p.m., Room 203 HUB.
Wednesday, September 26 — Earth and Mineral Sciences Student Council, 6:15 p.m., Room 244 Deike.

Artists series

Tickets for the Artists Series performance by the National Ballet Saturday, Sept. 22, in Rec Hall are currently on sale at the HUB.
Following the Ballet on the Series Sept. 28 will be tenor Seth McCoy, who began his singing career with the famous Jubilee Singers and comparatively late in life has become a leading tenor in opera, oratorio, and solo recitals. He has sung as soloist with the leading orchestras on the continent, in Philadelphia, Chicago, San Francisco, Ottawa and Toronto and many others. He was recently chosen to be a regular member of the Bach Aria Group while still maintaining a tour schedule. Among the highlights of his career was the honor of appearing during inaugural week of the new Kennedy Center for the Performing Arts, in Washington, D.C.
For some time residents he is no stranger, for he has appeared as soloist with the State College Choral Society a number of times.
On his schedule this year are performances with the San Francisco Orchestra, Cincinnati Symphony, Cleveland Orchestra, and the Akron Symphony.
Tickets for the performance (Friday, Sept. 28, 8:30 p.m., Schwab) will go on sale to the public Wednesday, Sept. 26, at 9 a.m. in the HUB. Sale to students will begin at 9 a.m. Tuesday, Sept. 25.



Kirk Peterson, a featured dancer with the National Ballet, will perform during the program Saturday (Sept. 22) in Rec Hall (8:30 p.m.) on the Artists Series. One of his appearances will be in the dance set to Bartok's Piano Concerto.

UNICARE CHANGE

President John W. Oswald today announced a significant improvement in the University's health expense insurance program known as UNICARE. Under the major medical provisions of UNICARE, each insured faculty member or staff member, and eligible insured dependent has been covered by a maximum lifetime major medical benefit of up to \$25,000. As of October 1, 1973, the new lifetime maximum will be increased to \$100,000.

"This new benefit should be welcomed by each member of the University family particularly in light of today's skyrocketing medical costs," said Dr. Oswald. "A faculty member will have the assurance that he won't have extreme financial hardship if faced with the catastrophic medical expenses connected with some of the sophisticated medical procedures more recently developed," added the President.

The improvement in the plan has been arranged by the Office of Personnel Administration as part of the University's continuing effort to provide faculty and staff members with the most comprehensive and up-to-date health care program feasible within the University's resources.

Membership now 223, to be expanded

Faculty Club building committees named

Two committees have been appointed by the Penn State Faculty Club, one to select an architect for its building and the other to work closely with the person who is chosen.

The selection committee is chaired by Louis P. Inerra, associate professor of architecture, and includes Dr. Walter H. Walters, dean of Arts and Architecture, and Dr. James Tammann, professor and head of plant pathology.

Chairing the group which will work with the architect is Robert H. Gray, professor and head of art. Other members are Dr. Marjorie East, professor and head of home economics education; Dr. Samuel B. Guss, professor of veterinary science extension and chairman of the section; and Dr. William A. Steele, professor of chemistry.

The committees were appointed by Dr. Donald R. Olson, professor and head of mechanical engineering, who is vice president of the Faculty Club.

STUART FORTH —

(Continued from page one)

ceived his bachelor's degree in history and his master of arts in library science from the University of Michigan and then worked as a junior librarian at Oregon State from 1950 to 1954. From there, he enrolled at the University of Washington in Seattle to obtain a doctorate in history.

"I like to tease my colleagues in history," he says. "For me, history is pure fun. Librarianship is real work!"

American political history in the post civil war period was his specialty, and as part of his concern for the history of his country, he has over the years tried to play an active role in the political process himself at the county and state levels.

"Usually," he notes, "my wife and I supported the losing candidates."

Pearl FORTH was originally a research chemist, and she has also taught public school in the communities where they lived. In addition to Lexington, this includes Lawrence, Kansas. In 1959, Dean FORTH became the undergraduate librarian at the University of Kansas. Three years later, he was named associate director of

in a letter to the membership. Club President Dr. Richard D. Schein, who is director of the Office of Environmental Quality Programs, reported that the new building, to be built as a wing of the Nittany Lion Inn, is expected to have approximately 9,700 net square feet of space. This will be divided into:

Dining area — 4,200 square feet including a number of small "meet and eat" rooms. This space will accommodate some 300 persons comfortably.

Kitchen — 2,100 square feet, half of which may initially be used for small dining rooms.

Reception, lounge, library, etc. — 3,400 square feet to accommodate 113 people. "The architect," Dr. Schein wrote, "will be asked to work within this general framework. The exterior is to be compatible with but not necessarily strictly imitative of the Georgian style of the Inn. The building will occupy part of the present garages

libraries, moving to Kentucky in 1965.

After such a short period in his new job, Dean FORTH is unwilling to make too many pronouncements about future plans, but does hope to press ahead with the renovation of the central wing of Pattee.

"The old building has no air conditioning," he points out, "so the lower stack levels are almost intolerable in summer. We also need to make our total space more usable. Right now, one has to use the reading rooms as corridors to get anywhere. Research has shown that people are more distracted by motion than noise, and the comings and goings make it hard to study in these areas."

With the University's rate of growth slowing, Dean FORTH also has budgetary worries.

"The recent Carnegie Commission report on using university resources specifically warns against trying to save money by cutting library budgets," he points out. "One economy which we are instituting, however, is the reduction of our duplicate journal commitment. In the past, when an engineer, a mathematician, or a physicist used the same journal, we tried to provide each appropriate branch library with a

area and will not intrude into the natural woods near the Inn."

The Faculty Club currently has 22 members, and plans are being made to solicit further memberships later this fall. Memberships are open to persons on the University's instructional or research faculty in the three professorial grades as well as to research associates, research assistants and instructors who are not degree candidates are eligible.

According to the Club's by-laws, membership may also be drawn from persons with professional positions in Extension Services and Continuing Education, as well as librarians, personnel executives or administrative categories at staff exempt positions, visiting staff, trustees, and government educators or researchers stationed at the University.

Ross B. Lehman, executive secretary of the Alumni Association, is chairman of the Membership Committee.

copy. We can't continue to do this, so we are trying to weed out duplicates."

Dean FORTH has run into a number of inquiries about his plans for the branch libraries at University Park.

"I'm not a decentralization person," he says. "I've worked in a highly centralized library system at Oregon State and in decentralized ones at Kentucky and Kansas, and have no strong feelings about centralizing library facilities. I do think that to be effective a branch library needs a strong collection and adequate library staff."

"Overall," he continues, "this is not a large library in terms of its resources to the aspirations of its academic program although I haven't been here long enough to get a reading on the quality of the collection and of course, quality is critical."

"I hope that the faculty and students on our campuses will be concerned enough about the collections to accept a degree of responsibility for their well being. Libraries don't exist for librarians but for the total academic community. After all, as I personally am concerned, I don't need any more books or journals. There plenty here in Pattee to keep me busy reading for the rest of my life."

NEWS —

(Continued from page one)

at the Ritenour Health Center will participate in various discussion sessions.

Dr. John A. Hargleroad, director of University Health Services, will address the final session Friday.

Also scheduled to speak at the conference are Ralph L. DeShong, assistant dean of student affairs for Commonwealth Campuses; Dr. J. J. Robert Wynn, health educator; and H. O. Triebold, manager of the University Student Division.

RADIO NETWORK

The Penn State Football Radio Network includes 42 stations this year in Pennsylvania, two in West Virginia, one in New York, and one in New Jersey. The coverage reaches just about every nook and cranny of the Commonwealth.

CAPITOL PAINTING

A course in oil painting has been added to the Capitol Campus schedule, being offered on Saturday mornings for degree and non-degree students. Lectures on contemporary and traditional arts, demonstrations, guidance and criticism will be given by a local artist, May Schock, who has gained many awards for her paintings and has had one-woman shows in Pennsylvania and Delaware. Students will get a variety of experiences in painting in the course.

SPEECH IMPROVEMENT

Members of the faculty or staff who feel they have communication problems and wish to correct them may be interested in a course in personal speech improvement offered by the Speech Department. The course is designed to help those who have difficulties lecturing, participating in group discussions, or with social conversation. Classes will meet weekly on Wednesdays from 7 to 9 P.M. in Room 225 Sparks. Further information is available from Dr. Gerald Phillips, 865-4072.

ALARD QUARTET CONCERT

The Alard String Quartet, which for the 14th year is composed of Donald Hopkins and Joanne Zagst, violins, Raymond Page, viola, and Leonard Feldman, cello, will give its first concert of the season Wednesday, Sept. 26, at 8:30 p.m. in the Music Building recital hall. The program will feature Haydn's "Quartet in E flat major, Op. 50, No. 3," Bartok's "Quartet No. 3," and Beethoven's "Quartet in E minor, Op. 59, No. 2." The Alard group has been at Penn State since 1962, having originated at Julliard School of Music in 1954, although Hopkins is the only original member remaining. The present group has been intact since 1960.

NEW YORK LANDMARK

The SoHo Cast Iron area of New York City was designated recently as Historic District by the City's Landmark Preservation Commission, largely through the research conducted by the team headed by Dr. Winston R. Weisman, research professor of art history. The 15-student team, which was directed by Regina Kellerman, now a doctoral candidate here, and Vaughn Glasow, student project director, spent months on the research which provided background to the Landmark Commission for its decision to protect the 25-square block area of the city. The designation insures

the preservation of the exteriors of the building and to a degree the interior. The cast iron buildings in the area date from early post-Civil War years to 1910.

CHILDREN'S ART

The Department of Art Education will begin classes in nine courses for children and teenagers Saturday, Sept. 22. The classes are in Arts and Crafts for ages 6-7; Drawing and Painting (6-7); 3-D Art (8-12); Arts and Crafts (8-12); Sculpture (8-12); Printmaking for Teens; Ceramic for Teens; Sculpture for Teens; Drawing and Painting for Teens. All classes meet on Saturdays from 9:45 to 10:45 a.m. Dr. Robert W. Ott (865-6570), assistant professor of art education, directs the majors who teach the classes.

CAPITOL CONFERENCE

"Flying for Profit" was the theme of a day-long seminar attended by some 13 Pennsylvania corporate executives at state offices at Capitol Campus Sept. 1. The focus of the Pennsylvania Business Aviation Conference was on potential benefits of using general aviation in business. The Aviation Council of Pennsylvania operated with Continuing Education in stage the conference, which was chaired by Dr. John L. Leathers, Altoona Campus director.

Publications wanted for archives

Three copies of all departmental and University publications should be provided to the Penn State Collection in Pattee Library, reminds Mrs. Louise K. Kelly, curator. Two of the copies are bound for archival purposes.

Reprints submitted to the Office of Vice President for Research through department and college channels are forwarded to the Penn State Library. Mrs. Kelly points

out, and if the faculty member wishes to check his folder to see that it is complete, he would be happy to assist him at Room 107 Central Pattee.

Copies of published works, photographic programs, original Christmas cards, and other items appropriate to the collection should also be sent to Mrs. Kelly. Further information may be obtained by calling 865-7931.

SKYLAB —

(Continued from page one)

tained either at the HUB, the Alumni Office in Old Main, or in Room 101 Hammond Building.

During his three-day visit, Capt. Weltz will meet with students, faculty and administrators in informal sessions. On Friday, Sept. 29, he will be guest of honor at a dinner given by President and Mrs. Oswald.

A 1954 Penn State graduate in aeronautical engineering, Capt. Weltz will receive the permanent title of Alumni Fellow, and special recognition will include a plaque and a certificate signed by President Oswald. He is the ninth alumnus to be so honored since the program was initiated last year by the Trustees in order to give the University community the expertise of those alumni who have demonstrated leadership in their respective fields.

Capt. Weltz piloted the Skylab II mission which began May 25 and concluded June 22. Capt. Charles "Pete" Conrad was flight commander, and Capt. Joseph P. Kerwin was the science pilot.

Safety Rules for Bike Riders

To promote safety and help to prevent accidents and injuries, the following rules and regulations should be noted and observed:

1. Bicycles are subject to the same laws as motor vehicles.
2. Bikes are to be driven only where automobiles are permitted.
3. Bike riders must yield the right of way to pedestrians at crosswalks and intersections.
4. Traffic signals and devices must be obeyed.
5. On campus, do not exceed the 15-mile speed limit.
6. Do not ride the wrong way on a one-way street.
7. Ride single file only.
8. Travel in direction of motor vehicles.
9. Do not weave in and out of traffic.
10. Use correct hand signals.
11. Watch for turning vehicles when nearing an intersection.
12. Pass motor vehicles only on the left side.

PENN STATE intercom

Volume 2, Number 4

September 27, 1973

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

News in brief

ASTRONAUT TALK

In addition to his public lecture Thursday, Sept. 27, at 8 p.m. in Rec Hall, Capt. Paul J. Weltz, Skylab II pilot and Alumni Fellow, will speak before the luncheon meeting of A.S.E.E. the following day at noon in HUB dining room A. His talk is to be titled "It Has to Work the First Time." A limited number of seats will be available for those wishing to attend the program, starting at 12:30 p.m., without lunch.

BRUNCH IN MAPLE ROOM

The Penn State Hotel-Restaurant Society is sponsoring a Sunday Brunch at the Maple Room, Human Development Building, with an "all-you-can-eat" provision for \$1.95, adults, and 95 cents, children under 12. The menu will emphasize breakfast, but an item or two will be of luncheon nature. Service is from 10 a.m. to 1 p.m. every Sunday.

PLAY PRODUCED

"Confessions of a Female Disorder," a full-length play by Susan Miller, instructor of English at the Hazleton Campus, will be produced in New Theatre for Now at the Mark Taper Forum, Los Angeles, Oct. 10-14. A staged reading of the play was held this summer during the O'Neil National Playwright's Conference. Another Miller play, "Silverstein and Co.," will be produced by the Five O'Clock Theatre (University Park) during the Fall Term.

COMPUTER IN MEDICINE

Dr. D. Garfinkel, University of Pennsylvania computer science department, will lecture on "Computer Applications in Medicine."

icine," Thursday, Oct. 4, at 8 p.m., Room 110 Q. The lecture will be on a level that non-computer science persons will understand and find of interest. The public is invited.

WOMEN'S STUDIES

Five hundred dollars have been allotted by the University Libraries for the purchase of monographs that relate specifically to women's studies. The fund administrator, Linda Rambler, may be contacted at 865-1859 or in writing at E506 East Pattee. Suggestions for purchase are now being accepted.

TV DEMONSTRATION

A display and demonstration of new, portable television production and receiving equipment will be held in Room 129 Mitchell Building Tuesday and Wednesday, Oct. 2-3.

Faculty members involved in the use of television may be interested in the modern developments to be shown, including some equipment recently purchased by the University.

The displays will be open Tuesday from 10 a.m. to 6 p.m. and Wednesday from 9 a.m. to 2 p.m.

COED GYMNASICS CLUB

Under the sponsorship of the College of Health, Physical Education and Recreation, a Coed Gymnastics Club has been established and is open to any member of the University community. The Club meets from 7:30 to 9:30 p.m. on Mondays (Rec Hall South Gym) and Thursdays (White Building gymnastics room). No gymnastics experience is needed and instruction is available. More information may be obtained from Gene Pellechia, who is president of the Club, 238-6789, or Elizabeth Hanley, advisor, 865-7591.

NO OPENING TEMPORARILY

Parking Area Yellow H on the University Park Campus will be closed to the public and faculty, staff and students Saturday, Sept. 29, in the morning, so that the area can be available to Pennsylvania legislators who will attend a luncheon in the HUB that day.

PATTEE ENTRANCE OPEN

The entrance to East Pattee, the new section of the University Park campus main library, is now open; entrance hours during the term are Monday-Thursday, 7:45 a.m. to 10 p.m.; Friday, 7:45 a.m. to 5 p.m.; and Sunday, 1-10 p.m. It is not open on Saturday. The entrance is on the ground floor adjacent to the exterior underpass to North Campus.

AG OPEN HOUSE

The College of Agriculture will hold an open house program in the lobby of the Agricultural Administration Building Saturday, Sept. 29, from 9 a.m. to noon. Paul Harner, fruit grower near State College and alumnus, Class of '39 in horticulture, is president of the Alumni Association of the College.

NOTE, PLEASE

It was pointed out to the editor of INTERCOM that the recent conference on the University Park campus of science fiction writers and other members of the Science Fiction Research Association was funded largely by the Institute for the Arts and Humanistic Studies.

WELCOME ALUM

The Penn State Room in its new location on the First Floor of Central Pattee will be open on Homecoming, Saturday, September 29, from 8:30 a.m. - 11:30 a.m.

(Continued on page four)



Elmore Browne

Browne heads BCC

Elmore M. Browne, former dean of men at Cheyney State College, has been named director of the Black Cultural Center.

Born in Charleston, S.C., Browne is a graduate of Hampton Institute, Hampton, Va., with a bachelor of science degree in rural sociology and economics.

He served in the U.S. Army during World War II and the Korean War in the Chemical Corps and Army Ordnance. He retired with the rank of captain after 20 years' service.

Browne undertook graduate studies at American University, Washington, D.C., and received his master of arts degree in education with an emphasis in student personnel administration from Case Western Reserve University, Cleveland, Ohio.

He served as training director of an electronics team, and then from 1968 to 1970 was dean of men at Cheyney State. He served for one year as assistant to the vice president for student affairs at Cheyney before going to Case Western as house director of a coed freshman dorm.

Oliver LaGrone, poet, sculptor, educator—and man with mission

His mother wanted him to be a minister, and although he never quite fulfilled her dreams, he thinks of himself as a man with a mission.

For Oliver LaGrone, that mission began

some 60 years ago as a youngster playing with red clay which had been moistened by spring rains in the yard of his McAlester, Okla., home. From the clay, he fashioned crude, sculptured heads of two

of his heroes — Abraham Lincoln and Frederick Douglass.

"I can remember Mama trying to get me cleaned up before my Daddy came home," he says, "but as soon as she had turned around, I was back playing in that clay. When my Daddy saw what I'd made, he wasn't mad at all that I was dirty."

In the intervening years, LaGrone has forged a career for himself as an artist and educator, triumphing over obstacles which, in the America of the thirties, included both the Depression and the fact that he had been born black.

Nowadays, he spends his time travelling throughout the State spreading his own form of gospel — the message that the arts are a common denominator among all groups of people. As a special assistant to the vice president for undergraduate studies at the University, LaGrone visits the Commonwealth Campuses accompanied by a travelling show of his sculpture and lectures to students and to groups in surrounding communities on art and black studies.

"I like to think I may be realizing something of my mother's dream for me," he says. "Many of my sculptures are portraits of great black figures — George Washington Carver, Harriet Tubman, Paul Robeson. I'm trying to say something more than may be conveyed with pure aesthetics, something that will help in a little way to show America the black face, too often, 'The Invisible Man,' as novelist Ralph Ellison put it."

His own career stands as an inspiration to the many young people with whom he comes in contact.

"My father," he recalls, "was a minister who liked to write poetry, and on the side, he did barbering and ran a gin and grist mill. He came to Oklahoma from Mississippi before it was a state, and one of his first jobs was as a guard at the penitentiary where Jesse James and the Dalton brothers were imprisoned."

"He hated slavery, and he brought us up to hate it, too, and to speak out for our civil rights. Once he knocked down a white man who had insulted him, and there was talk of a lynching. But he had a lot of friends — white men, black men, and Indians — and they flocked to his side and supported him."

One of eight children in his family, LaGrone put aside his interest in art for awhile during his teens in favor of sports of all kinds and made the all-state football team. In 1928, he enrolled at Howard University in Washington, D.C., for his freshman year.

"The stock market crashed," he continues, "and my father was unable to find any kind of work. I got a summer job selling books door-to-door in some of the Southern states, and with the money I earned, I was able to help my father and brothers move to Albuquerque, N.M. I found a job washing windows on the main street, and my brothers picked up work, too."

(Continued on page two)



Oliver LaGrone, special assistant to the vice president for undergraduate studies, discusses his sculpture, "When Aretha Sings," with students.

Leaves

Dr. Robert R. Reed, Jr., associate professor of English, will be on leave for the Winter Term to do further research on a study focusing on the Influence that the dead exert on the tragic consequences of Shakespeare's plays. The project is tentatively titled "Shakespeare and the Broken Urn."

M. Robert Des Marais, associate professor of architecture, has been granted a leave for the Spring Terms of 1974 and 1975 in order to do research for a book on the illustration of building construction and design from the 14th to the 19th centuries.

In writing

Dr. John C. Snowdon, professor of engineering research at the Applied Research Laboratory, is editor of "Isolation of Mechanical Vibration, Impact, and Noise," a monograph published by the American Society of Mechanical Engineers. It was prepared with Dr. E. E. Unger and contains the texts of lectures given at the Technical Conference of the Society of Design Engineering recently.

Dr. Robert Scholten, professor of petroleum geology, is co-editor of "Gravity and Tectonics," published last week by John Wiley Interscience. Dr. Kees A. De Jong, University of Cincinnati, is the other editor. Thirty one articles were written expressly for the book, which presents analysis of the role of gravity in the deformation of the earth's crust at all scales and levels.

Dr. Virginia M. Brant, director of nursing and nursing education at the Hershey Medical Center and professor of nursing in the College of Medicine, is co-editor of "Readings in Gerontology," published by C. V. Mosby. Sister Marie Raymond Brown, R.S.M. N.Ed., formerly assistant professor of nursing in the University of Rochester's School of Nursing, is the other editor. The readings were organized to provide an understanding of the relationship between theory, research and practice in the field of gerontology.

Staff vacancies

This announcement is made so that all University employees who are interested in promotion may be kept by calling the Employment Office, 865-1387 (Network Line 475-1387). Do not contact the area that has the vacancy. Application for these staff vacancies will be accepted until:

5 P.M., Thursday, October 4, 1973

COMPUTER OPERATOR

COLLEGE OF MEDICINE

Responsible for monitoring and controlling electronic computers on established routines and for assisting department staff members as required. One year of college or equivalent and one to two years of experience in Data Processing are desired.

OPERATIONS FOREMAN

COLLEGE OF MEDICINE

Hershey Medical Center

Responsible for the operation of the Steam Plant, including boilers and boilers, plus operation of the air conditioning and heating systems and the repair and maintenance of refrigeration equipment. An equivalent to an Associate degree in a technical area related to heating, ventilation or refrigeration and an appropriate amount of experience in one of these trades areas, plus four or five years of supervisory experience are desired.

ASSISTANT TO THE DEAN OF STUDENT AFFAIRS

Berks Campus

Responsible for administration of student activities and cultural program. Provides general assistance to the Dean in administration of Student Affairs programs and services. A Master's degree in student personnel or related field and one to three years of related experience are preferable.

COMPUTER AIDE

Capitol Campus

Responsible for conferring with and assisting students and faculty members in programming and operation of computer facilities. Minimum requirement: High school graduate plus formal training in a computer Institute and one to two years of experience are desired.

ACCOUNTANT

UNIVERSITY LIBRARIES

University Park

Responsible for the direction and supervision of the Library Accounting operations and other related projects. Establish a more comprehensive book-keeping system which will utilize more fully the Burroughs 4400 machine. A Bachelor's degree in accounting and at least four years of accounting and supervisory experience are preferred.

Applications for staff vacancies are considered without regard to race, color, creed, sex, or national origin.

OLIVER LAGONE —

(Continued from page one)

Then, just as things were starting to look up, tragedy struck the family. LaGrone's father was felled by a heart attack, his mother was injured in an automobile accident, and one of his sisters died.

"I was despondent," he says simply. "I wanted to go back to school, but I couldn't see any way. I expressed some of my frustration in a piece of wooden sculpture I carved. It showed a man, his face calm, but with his hands tied behind his back. The piece was displayed in a bank window and came to the attention of a family for whom I had worked. They were sufficiently impressed to arrange an interview with the president of the University of New Mexico, which resulted in my being given a job as a student assistant in the art department. I also worked every morning from 3 a.m. until the start of school to help with my expenses."

Toward the end of his college career, LaGrone had another break. One of his professors took Scripps-Howard columnist Eric Pyle to an exhibit of LaGrone's work. Pyle liked the sculptures, looked up the artist, and wrote a nationally syndicated column about him.

Lecture series by community expert for community systems grad program

The College of Human Development is sponsoring a lecture series by William Nagel, executive director of the American Foundation, Inc., and director of its Institute of Corrections. The series is being conducted in conjunction with the graduate program in Community Systems Planning and Development, launched by the College this fall.

Nagel has had eleven years of major responsibility with correctional institutions and has served as Executive Secretary for

the resulting publicity won LaGrone a place at the Cranbrook Art Academy in Bloomfield, Mich., where he was the first black ever to be accepted.

"The great Swedish sculptor, Carl Milles, was teaching there," LaGrone continues, "and when we got to Cranbrook, my wife — I had married before I was graduated from college in 1936 — said, 'Let's visit him.' I was shocked. I couldn't imagine going to see an artist with such a great reputation, but she kept pushing me. Finally, we went up and knocked on his door, and my wife told him that we admired his work and wanted to meet him.

Milles took the LaGrones and their tiny daughter, Joy, to his heart. He got Oliver a fellowship and supplemented the monthly stipend from his own pocket.

After the family left Cranbrook, they settled in Detroit, Mich., where Joy grew up. Today, she and her husband, Greg Johnson, are both students at the University of California Law School in San Francisco. Their only daughter, Gretchen, the Rhonda, spent last summer with her grandfather while her parents worked to earn their tuition for the year.

In Detroit, LaGrone was put in charge of a visual education program for the United

the Council for Human Services on the staff of the Governor of Pennsylvania.

Dates for the lectures, which will cover varied topics concerning corrections, are October 2, 16, 30, November 13, and December 11. All sessions will be held in S-204 Human Development Building. The times for the lectures will be varied, and a call to the Division of Community Development (865-1452) several days prior to each lecture date will provide information about the specific time for each presentation.

Funding Opportunities

For more information, call 865-1372 except where noted below, and refer to the item by its number and the general information provided. People with grants information for dissemination in this column should call the same number.

September 27, 1973

(99-1) Pulmonary Research Grants for scientists who are engaged in research at the National Heart and Lung Institute. The pulmonary lung related projects must be of the scientist's own design. Eligible applicants must have a doctorate in some relevant field across a broad basic-clinical spectrum of fields ranging from biochemistry and engineering to surgery and pediatrics. Applications must be received before Oct. 1, 1973. Contact: J. Markowitz, Executive Secretary, Grants and Resources Branch, Div. of Lung Diseases, NHLI, Bethesda, Md. 20814.

(99-2) The National Institutes of Health (NIH) announces a new research training and fellowship program beginning in FY 1974. There will be \$30 million in new awards for each of the first three fiscal years, total awards rising to \$90 million by 1976. The following general guidelines are noted: (1) The program will apply only to research training; (2) support emphasis will be for individuals rather than institutions, and support will be limited to institutional M.O., O.D., O.S., D.V.M., Ph.D., or other equivalent professional people for up to 3 years. Program initiation will be announced. Detailed information as it becomes available may order same at 865-1372.

(99-3) Engineering Research Initiation Grants supported by the National Science Foundation are directed toward young and/or new engineering faculty (generally assistant professors or instructors) with or without the doctorate (with industrial experience). Two options are available: (1) academic research on campus; (2) academic research and research in an off-campus environment. About 100 grants were awarded in FY 1973 averaging \$180,000. Application deadline is Oct. 1, 1973.

(99-4) A U.S.-France Exchange of scientists is funded by the National Science Foundation and the French National Center of Scientific Research. Each agency will make about 12 awards for study in the mathematical, physical, chemical, engineering, biological and social sciences including economics. Exchange visits are normally between 5 and 15 months. Shorter or longer times must be justified. Contact: NSF, Office of International Programs, 400 Connecticut Ave., Washington, O.C. 20550. Deadline date is Nov. 1, 1973.

(99-5) Annual fellowships of \$300/month, plus tuition, for the years 1974 to 1977 are available to U.S. citizens for Masters and bachelors graduate students in science and engineering. Application forms can be obtained from the National Research Council, Fellowship Office, 2101 Constitution Ave., N.W., Washington, O.C. 20418. Application deadline is Nov. 26, 1973; applicants must take Graduate Record Exams no later than Oct. 8, 1973.

(99-6) Improving teaching quality in the humanities is the aim of \$2,000 summer (1974) stipends to be given to college and university teachers. The National Endowment for the Humanities advises that faculty must have a research or study program preferably related to cultural and philosophical foundations of the American Revolution. Young scholars (under 30) and advanced scholar may be nominated by Penn State. Applications must reach the Fellowship Office, 317 Kern Blvd., by Oct. 15, 1973.

(99-7) The British Council General (2320 P.K. Bldg., 12 & 12th St., Philadelphia, Pa. 19107) announces the availability of Marshall Scholarships for U.S. citizens. The British Council Applicant must be a U.S. citizen born since Oct. 1, 1948 who will have a bachelor's degree by Aug. 31, 1974. Fellowship provides approximately \$300 British Pounds per year for two years. Thirty fellowships are available, tenable at any of one 30 British universities. Most applicants will currently be seniors or beginning graduate students. Preference is given to unmarried students. The application deadline is Oct. 23. Copies of application forms and instructions can be obtained by writing address given above.

(99-8) The American-Scandinavian Foundation (127 E. 73rd St., New York 10021) announces a variety of graduate fellowship opportunities in Scandinavia, plus undergraduate awards for study in Scandinavia. The deadline for applications to the foundation is Nov. 1, other fellowships, Oct. 1. Awards vary from \$500 to \$4,000. For detailed information and application forms write to address given above.

(99-9) The Woodrow Wilson International Center for Scholars (Smithsonian Inst. Bldg., Washington, O.C. 20560, 202-381-5513) invites applications from established postdoctoral scholars for fellowships and guest scholarships of a few weeks to a year in duration. Awards provide office space, secretarial services, and in some cases a stipend or expenses or both. The program is most likely to be useful to faculty and doctoral candidates carrying on research requiring temporary residence in Washington. The Center is particularly interested in supporting work on international affairs, sustainable growth, the environment, the ocean, and the space program. Application deadlines are Oct. 1 and March 1. A copy of the application form is available at 317 Kern Blvd. For further information and application forms, write to address given above.

REMINDERS — DEADLINE DATES

Nov. 1 for NEH Project Grants and Planning Grants
Nov. 1 for NEH Research Grants
Nov. 1 for NEH Undergraduate Research Participation Program (Sept. 6 INTERCOM #96-3) — Nov. 7 for USER A Eastern Europe exchange visits (Sept. 20 INTERCOM #96-2)
Nov. 16 for NSF-NSEC Secondary Student Science Training program; and Nov. 30 for NSF Student Originated Studies program (Sept. 6 INTERCOM #96-4)
Nov. 16 for NEH Research Grants (Sept. 20 INTERCOM #96-4)
Jan. 11 for Opt. Interior (OWAR) requested research proposals (Sept. 20 INTERCOM #96-4).

Auto Workers. He free-lanced as an artist and labor organizer, worked in the public school system teaching arts and crafts, to the mentally retarded and later taught Afro-American history at Northwestern High School and Margyrove College in Detroit. He also continued with his sculpture and had numerous one-man shows of his work in bronze, and marble figures in universities in Michigan and other states.

"Image-making" is how LaGrone referred to his art, and he has practiced it not only in sculpture but also in poetry. His poems have been anthologized, and he has published two books, "Footfalls" and "They Speak of Dawns." On a recent trip to Africa, he found his poems displayed in two American embassies which he happened to visit.

Three years ago, LaGrone was invited to come to Penn State's Capitol Campus at Middletown as a lecturer in art education and Afro-American history. Out of that grew his present work.

"Art recreates and keeps alive experience," he concludes. "What I'm trying to do now is to synthesize art with blue studies. By talking to groups and showing my work, I hope I am helping people see the common humanity which joins us all."

VADD insurance changes made; check urged

Since 1964, the University has offered voluntary plan of accidental death and dismemberment insurance to all regular faculty and staff members. The plan currently provides optional amounts of coverage ranging from \$10,000 to \$100,000. Effective November 1, 1973, a new maximum amount of \$150,000 will be made available for the first time.

Participation in the plan to elect this new maximum amount or to make a variety of other changes is opened during the month of October. The following changes are permitted in October: (1) change the dollar amount of insurance coverage; (2) change from individual coverage to family coverage or vice-versa; (3) enroll in the plan as a new member; (4) withdraw from the plan.

To accomplish any of the above change obtain and complete a new VADD enrollment card from your dean or administrative officer and send it to the Employee Benefits Division, 133 Willard Building, October 31. All changes received by the date become effective November 1.

If you should wish to check your present coverage, examine the section of the paycheck stub marked "VADD." The deduction will indicate the amount of coverage you have.

Coverage	Monthly Deduction	Benefit Schedule
\$ 10,000	.50 single 70 family	\$ 233 single \$ 324 family
\$ 25,000	1.25 single 1.75 family	\$ 573 single \$ 801 family
\$ 50,000	2.50 single 3.50 family	\$1,155 single \$1,611 family
\$100,000	5.00 single 7.00 family	\$2,310 single \$3,222 family
\$150,000	7.50 single 10.50 family	\$3,465 single \$4,844 family

If you are unable to check in this manner, information about your coverage may be obtained from the Employee Benefits Division.

Ground broken for Scranton study center

Groundbreaking ceremonies were held Tuesday, Sept. 25, for a student study learning center at the Worthington Scranton Campus in Dunmore.

The new structure is designed as a two-story building with approximately 26,500 square feet.

The game room, food service area, and book store will be located on the upper floor. On the lower floor there will be quiet lounge, three classrooms, three seminar rooms, student government offices, meeting rooms, and student affairs offices, including counseling and health rooms.

Slightly more than \$1,000,000 has been allocated for the project.

University Calendar

September 27-October 7, 1973

Special Events

Thursday, Sept. 27 — German Forum, 7:30 p.m., Room 124 Sparks. Otto Poeggeler.
Thursday, Sept. 27 — Human Development (Alumni Recognition Award, 8 p.m., Room 6-209 Human Development.
Friday, Sept. 28 — "Creating Your Own Job," 2-3 p.m., Human Development Living Center. Mrs. Margaret Lucas on her involvement in developing community resources.
Friday, Sept. 28 — Artists Series. Seth McCoy, tenor, 8:30 p.m., Schwab.
Friday, Sept. 28 — Folk and Square Dance Roundup, 7:30-9 p.m., North Gym, White.
Friday, Sept. 28 — Groove Phil Groove, 10 p.m.-3 a.m., HUB ballroom.
Friday, Sept. 28 — Freshman Football, vs. Milford Academy, 3 p.m.
Friday, Sept. 28 — Commonsplace Coffee-house, 8 p.m., Room 102 Kern.
Saturday, Sept. 29 — Penn State Glee Club Homecoming Concert, 7 p.m., HUB ballroom.

Saturday, Sept. 29 — Football, vs. Iowa, Beaver Stadium, 1:30 p.m., Homecoming.
Saturday, Sept. 29 — PSOC Sailing Division Regatta, noon, Stone Valley.
Saturday-Sunday, Sept. 29-30 — Horticulture Show, Ice Rink Pavilion. Open Saturday, 10 a.m. to 8 p.m.; Sunday 10 a.m. to 4 p.m.
Saturday, Sept. 29 — Human Development Alumni Coffee Hour, 9:30-11 a.m., Human Development Living Center.
Saturday, Sept. 29 — College of Agriculture Alumni Association "open house," 9 a.m.-noon, lobby of the Agricultural Administration Building.
Sunday, Sept. 30 — Chapel Service, 11 a.m., Marie Bldg. recital hall. Luther Harshbarger, religious studies.
Sunday, Sept. 30 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center. Reverend M. B. Spiller, St. Paul AME Church, Bellefonte.
Wednesday, Oct. 3 — Musica da Camera Concert, 8:30 p.m., Music Bldg. recital hall.

Wednesday, Oct. 3 — Sports: Soccer, vs. West Chester, 7 p.m., Jeffrey Field.
Wednesday-Friday, Oct. 3-5 — "Five O'Clock Theatre, Pavilion, 5:20 p.m., Wednesday, Thursday; 7:20 p.m., Friday.
Friday, Oct. 5 — Commonsplace Coffee-house, 8 p.m., Room 102 Kern.
Friday, Oct. 5 — Free-U Jammy, 7:30-11:30 p.m., HUB ballroom.
Saturday, Oct. 6 — Sports: Cross Country, vs. West Virginia; Rugby, vs. Rutgers, 2 p.m.
Saturday, Oct. 6 — Free-U children's film, 12:30 and 2:30 p.m., HUB assembly room.
Sunday, Oct. 7 — Elsbeth Heim, piano recital, 8 p.m., Museum of Art, Gallery C.
Sunday, Oct. 7 — Chapel Service, 11 a.m., Eisenhower Chapel. Charles L. Coleman, Religious Affairs.
Sunday, Oct. 7 — Black Christian Fellowship worship service, 11 a.m., HUB Cultural Center.

Seminars

Thursday, September 27 — Philosophy, 4 p.m., Laurel Room. Nitany Lion, Jr., Dr. James Sheridan, Allegheny College, and Dr. Carl Hausman, head of philosophy, on "A Theory of Value," with audience discussion.
Thursday, September 27 — Chemistry, 12:45 p.m., Room 310 Whitmore. Wade E. Hilde, University of Pittsburgh, on "Assessment of Ionization Reactions in the Gas Phase."
Thursday, September 27 — Physics, 3:35 p.m., Room 117 Osmond. Donald N. Langenberg, University of Pennsylvania, on "Recent Studies of the Josephson Effects."
Thursday, September 27 — Agronomy, 3:55 p.m., Room 301 AB Agri. Adm. Benjamin Reynolds, Green Valley Farms, on "Spray Irrigation, Crop Production and Land Development."
Thursday, Sept. 27 — Slavic and Soviet Language and Area Center, 3 p.m., Room 132 Electrical Engineering East. William R. Schmalstieg on "Penn State in Russia."

Thursday, Sept. 27 — Two Cultures Dialogue, noon, Room 189 Materials Research Laboratory. Technology: Its Character, Role, and Future. With Dr. R. J. Heinsbohn and David M. Parke, mechanical engineering, leading discussion.
Thursday, Sept. 27 — Aerospace Engineering, 11 a.m., Room 202 Hammond. T. S. Duranti and C. Greated, on "Flow Measurement by Electro-Optic Techniques."
Friday, Sept. 28 — Physical Chemistry, 4 p.m., Room 310 Whitmore. Dr. Frederick Mann, University of Rochester, on "Effective Intermolecular Potentials in Liquids."
Monday, Oct. 1 — Analytical Chemistry, 1 p.m., Room 310 Whitmore. Dr. P. C. Jurs, on "Thesis Topics in Analytical Chemistry."
Monday, Oct. 1 — Entomology, 4 p.m., Room 204 Patterson. Dr. Jim Richerson on "Hosts Findings Behavior of *Coeloides Brunneri*, a Parasite of the Cuckoo Fly Beetle."
Monday, Oct. 1 — Genetics, 3:55 p.m., Room 111 Tyson. Dr. Dale Therrien, on "Comparative Measurements of Nuclear DNA in a Heterothallic and a Self Fertilize isolate of the Slime Mold *Dicoidium lridis*."

Tuesday, Oct. 2 — Graduate Air Pollution Control, 2:20 p.m., Room 140 Fenske Lab. Dr. Eva J. Pell, plant pathology, on "Economic Impact of Air Pollution on Vegetation in New Jersey and Interpretation of Annual Variability."
Tuesday, Oct. 2 — Engineering Mechanics, 4 p.m., Room 215 Hammond. G. F. Lin, on "Acoustic Radiation from Point Excited Beam-Reinforced Plates."
Tuesday, Oct. 2 — English Colloquium, 8 p.m., Room 101 Kern. Francis Utey on "Boccaccio, Chaucer and the Internationalization of the Middle Ages."
Tuesday, Oct. 2 — Comparative Literature luncheon and discussion, with Francis Utey 12:15 p.m., HUB dining room "A".
Thursday, Oct. 4 — Chemistry, 12:45 p.m., Room 310 Whitmore. Richard P. Vandyne, Northwestern University, on "Applications of Nanosecond Photon Timing Experiments to Chemistry."
Thursday, Oct. 4 — Physics, 3:35 p.m., Room 117 Osmond. Malvin A. Ruderman, Columbia University, on "Relativistic Theories of Composite Systems."
Thursday, Oct. 4 — Agronomy, 3 p.m., Parking Lot Blue C. L. T. Kardos, soil physics, on "The Living Filter." Field Trip.

Lectures

Thursday, September 27 — "Skybal Report," by Skybal II pilot, Capt. Paul J. Weitz, 8 p.m., Recreation Building (Alumni Fellow Program).
Thursday, Oct. 4 — Computer Science, Dr. D. Garfinkel, University of Pennsylvania, on computer applications in medicine, 8 p.m., Room 110 Osmond.

Films

Thursday, Sept. 27 — Commonsplace Theatre, 8 and 10 p.m., Room 112 Kern. "The Great Escape."
Thursday, Sept. 27 — International Films, 7 and 9 p.m., HUB assembly room. "The Lower Depths," directed by Akira Kurosawa.
Thursday-Sunday, Sept. 27-30 — Arnold Air Society, 7 and 9 p.m., Room 105 Forney Hall. "The Cable Hogue."
Friday-Saturday, Sept. 28-29 — Student SF films, 7 and 9 p.m., HUB assembly room. "Bedazzled."
Wednesday, Oct. 3 — Commonsplace Theatre, 8 and 10 p.m., Room 112 Kern. "The Oklahoma Kid."
Thursday, Oct. 4 — International Films, 7 and 9 p.m., HUB assembly room. "Two Daughters," directed by Satyajit Ray.
Friday-Saturday, Oct. 5-6 — Student SF films, 7 and 9 p.m., HUB assembly room. "M."

Official

Thursday, September 27 — Last date for a December graduate to pay thesis fees and to activate diploma card in Registrar's office.
Thursday, September 27 — Last date for registering with Educational Testing Service, Princeton, for French and Spanish written language exams.
Thursday, September 27 — File for Pass-Fall.
Thursday, September 27 — File repeat course forms.
Friday, September 28 — File for Pass-Fall.
Friday, September 28 — File repeat course forms.
Monday, Oct. 1 — Drop period ends 5 p.m.
Monday, Oct. 1 — File for Pass-Fall.
Monday, Oct. 1 — File Repeat Course forms.
Monday, Oct. 1 — Preregistration period ends.
Tuesday, Oct. 2 — Last date for written foreign language exams (other than French and Spanish) for advanced degree candidates.
Saturday, Oct. 6 — Last date for a December graduate to deliver doctoral thesis to committee.

Meetings

Monday, Oct. 1 — OTIS, 6:30-7:30 p.m., HUB assembly room.
Monday, Oct. 1 — USO-Senate, 7:30-10:45 p.m., HUB assembly room.
Tuesday, Oct. 2 — ARHS, 7:30-9:30 p.m., Room 203 HUB.
Wednesday, Oct. 3 — A.W.S., 7 p.m., Room 203 HUB.
Wednesday, Oct. 3 — Penn State Faculty Club, 8 p.m., Room 101 Kern. Annual meeting of members.
Wednesday, Oct. 3 — Graduate Council Meeting, 3 p.m., Room 101 Kern.
Thursday, Oct. 4 — College of Engineering Faculty, 3:30 p.m., Room 26 Mineral Sciences.
Thursday, Oct. 4 — USG Academic Assembly, 7:30-9 p.m., Room 203 HUB.

Exhibits

Museum of Art — Three Swiss Painters, by Charles A. B. C.
Zoller Gallery, Visual Arts — Sillman and Albers.
Kern Gallery — Black Images, photographic-ACU-I, until Oct. 6. June Stoyer, acrylics. Marilyn Dwyer, palette knife, opening October 7.
Pattee Library, Circulation Lobby — "Retrospect," Janet Dougherty. Arts Lobby, 10 Eastern European Prints.
Sackett Building Gallery, third floor — Architectural models, until October 5.
Pattee Library, main lobby — Display of Esperanto materials, continuing until Oct. 8.

WPXS highlights

Thursday, Sept. 27 — "Phosphores New York on the Forties" presents "Particular Men," a drama about scientists involved in the development of the atom bomb.
Friday, Sept. 28 — 3:30 p.m. Governor Milton Shapp talks with a group of high school students on "People, Places, Things, Now." At 8:30 p.m. Dr. Jacob J. Kaufman, director of the Institute for Research on Human Resources; Dr. Edwin L. Herr, acting director of the Division of Educational Policies Studies; and Dr. Kenneth P. Mortimer of the Center for the Study of Higher Education, join State College area educators Christopher Mare and Dr. Donald Gross on "The World... Their Classroom."
Saturday, Sept. 29 — Wildlife liberation leader Gloria Steinem talks with Edwin Newman on "Speaking Wild" at 6 p.m. At 8:30 p.m., "Man Builds, Man Destroys" examines alternative methods of environmental management.
Sunday, Sept. 30 — At 6 p.m., "Puppets and the Port" uses "black theatre" puppet techniques to explore the role of the plays of William Shakespeare. America's artistic heritage is examined through paintings, pre-Columbian artifacts, and architecture on "American Vision" at 8 p.m.
Monday, Oct. 1 — "Handfuls of Ashes," a dramatic serial about the poor people of Appalachia, premieres at 7:00 p.m.
Wednesday, Oct. 3 — At 7 p.m., on "TV Quaterbacks," coach Joe Paterno and co-hosts Fran Fisher and Jim Tarmen review and analyze the Penn State football game.

Interest Groups

Alpha Phi Omega, Mondays, 7 p.m., Room 308 Boucke.
Chess Club, Wednesdays, 6:30 p.m., HUB card room.
Chess Team, Thursdays, 6:30 p.m., Room 106 Sackett.
Eco-Action, Mondays, 8:30 p.m., Room 301 Boucke.
Focus on Sweden, Tuesday, 7 p.m., Room 312 Boucke.
Gamma Sigma Sigma, Tuesdays, 7 p.m., Room 309 Boucke.
Interludia Folk Dancers, Sundays, 7:30 p.m., HUB ballroom.
Keystone Society, Wednesdays, 7:30-8 p.m., Room 304 Boucke.
P.S. Overcomers, Mondays, 7:30 p.m., 106 Sackett.
Young Socialists, 7:30 p.m., Mondays, Room 167 Willard; Wednesdays, Room 62 Willard.
S.I.M.S., Thursday, September 27, 8 p.m., Room 101 Chambers.
Campus GOLF Scout Scouts, Thursday, Sept. 27, 7:30 p.m., lobby of Cross Hall.
PSOC Sailing division, Thursday, Sept. 27, 7:30 p.m., Room 214 Boucke.
Panther Council, Monday, Oct. 1, 6:30 p.m., Phil Mu. Hester.
Penn State Amateur Radio Club, Tuesday, Oct. 2, 7:30 p.m., Room 208 Engineering Unit E.
PSOC, Equestrian division, Tuesday, Oct. 2, 7:30 p.m., Room 111 Animal Industries. Meeting and demonstration.
PSOC, Hiking division, Wednesday, Oct. 3, 7:30 p.m., Room 214 Boucke.
PSOC, Canoe division, Thursday, Oct. 4, 7:30 p.m., Room 214 Boucke.
Young Socialists Club, Wednesday, Oct. 3, 8 p.m., Rec Hall.
Ukrainian Club, Thursday, Sept. 27, 8 p.m., Room 306 Boucke. Folk dancing; everyone welcome.
Goed Gymnastics Club, Mondays, 7:30 p.m., Rec Hall; Saturdays, 10 a.m., Thursdays, 7:30 p.m., White Bldg. gymnastics room.



Seth McCoy, tenor

Artists series

Tenor Seth McCoy, who began his active singing career with the famous Jubilee Singers and who gained attention as a soloist in two tours with the Robert Shaw Chorus, will appear on the Artists Series tomorrow (Friday, Sept. 28) at 8:30 p.m. in Schwab Auditorium.
Now a veteran of the recital tour and frequent soloist with leading symphony orchestras in this country, McCoy was recently chosen as a regular member of the Bach Aria Group.
Tickets for the recital are currently on sale at the HUB.
McCoy's program will include two recitatives by Handel; four songs by Brahms; three songs by Duparc; two arias from Puccini's opera, "Tosca"; five songs by Charles Ives; and John Carter's "Cantata."



Susan Gregg, right, will become the first woman to receive an MFA degree in directing after her production of the musical comedy, "The Amorous Flea," opens at Pavillion Theatre October 18. With her is Merrill Plushko, graduate student in theatre arts, who plays Arnolpho, the mole lord in the show. (Photo by Roger Dreconwall.)

Theatre has musical, classics

A vigorous and varied theatre season, starting out with a rollicking musical comedy and such classics as George Bernard Shaw's "St. Joan," and an innovative and experimental production from visiting Polish playwright Slawomir Mrozek, is in store for University Theatre audiences this year.

Opening the fall season will be the musical farce, "The Amorous Flea," a bright and lively adaptation of Moliere's classic "School for Wives," directed by Susan Gregg, that will open in the Pavillion Theatre on Oct. 19, with other performances on Oct. 20, 23-27.

The second major production in the fall will be Dale Wasserman's "One Flew Over the Cuckoo's Nest," directed by Richard Edelman, the artistic director for the Summer Festival of America Theatre. "Cuckoo's Nest," was Ken Kesey's best selling novel, and the play is considered by many to be a pop art masterpiece, dealing with a man's struggle against a repressive society.

Susan Gregg's production of "The Amorous Flea" will have a special significance, as she will be the first woman to be graduated from the department of theatre arts with an MFA (Master of Fine Arts) in directing. "Flea" is her final MFA project.

Written by Jerry Devine with music and lyrics by Bruce Montgomery, the play concerns itself with the humorous tale of a decaying old nobleman, Arnolpho, and his lovely, and seemingly innocent ward, Agnes.

Susan Gregg said she wanted the lead character to be something of a stand-up comedian who could deliver the lines to the audience, where she felt much of this show has to be aimed. "The production really calls for someone to work the audience." It is an extremely funny play and involves bringing the audience into a lot of private pecks," she says.

Rich Victor, grad assistant in the Music

Department, is the musical director. Last spring, he directed the music for the Penn State Thespians 75th Anniversary production of "Hello, Dolly!"

In addition to the musical comedy entertainment of "Flea," and the more brittle and tragic-comedy nature of "Cuckoo's Nest," other productions by the University Theatre this year will be geared for a variety of theatre and, in the case of the Christmas play, for Children's Theatre.

Helen Manfull, who produced last year's Children's Theatre production of "The Beeples," will be working shortly on "The Second Shepherd's Play." This play, intended for adults and children alike, will appear in the Playhouse from Dec. 15 through 18.

Polish author Slawomir Mrozek will be visiting Penn State and teaching a course in playwrighting, while his play, that is not yet announced, will be produced by the University Theatre and directed by Archie Smith.

Smith directed last spring's "Kafka on Kafka," and looks forward to doing a Mrozek play that may be an American premiere. This play will appear in the Pavillion from Feb. 14 through Feb. 23.

George Bernard Shaw's play "St. Joan," at the Playhouse from Jan. 31 through Feb. 9, will be directed by Warren Smith, professor of theatre arts, who is in charge of General Education in the Arts at the University.

Other spring productions will include "The House of Bernarda Alba," directed by Manuel Duque, and "The Jazz Dance Theatre in Concert," under the direction of Jean Sabatine, which had such success last spring.

Information on any University Theatre production can be obtained by calling the publicity office 863-0361, and ticket information and reservations can be made by dialing 865-1884.

5 O'Clock theatre season opens Oct. 3

"My Legs Are Fine: I Can Smell the Smoke," by recent theatre arts graduate Mike King, will open the Five O'Clock Theatre season Oct. 3-5, in the Pavillion Theatre. The plot concerns an hospitalized quadriplegic.

The Five O'Clock Theatre productions are free and open to the public, but be-

cause of their popularity a ticket policy has been adopted. Tickets will be distributed a half hour before curtain each day, and these tickets will be honored until five minutes before curtain, which is at 5:20 p.m. on Wednesdays and Thursdays and 7:20 p.m. on Fridays.

King is now a disc jockey and television writer in Washington, D.C.

Esperanto featured in Pattee display

A collection of contemporary publications and other materials related to Esperanto, the International Language, will continue on display in the entrance lobby of Pattee Library at the University until Oct. 8.

Esperanto was created by Dr. L. L. Zamenhof in 1887, to overcome language barriers. His first Esperanto textbook was published in Poland and shortly thereafter Esperanto textbooks appeared in other countries. Esperanto is used extensively in publishing literary and scientific works. It is also used for International meetings and for personal contacts.

The display shows how Esperanto is used in daily life and indicates its use-

fulness as a second language for all men, favoring no particular language group. The items consist of books, magazines, phonograph records, correspondence from many nations as well as other items which figure in the personal and professional lives of Esperantists throughout the world.

The materials on display are part of a collection prepared by Cornelius McKown, of State College, who has been an active Esperantist for 14 years. He is the local delegate of the Universala Esperanto-Asocio (UEA), the largest Esperanto organization in the world, with 32,000 members in 80 nations. The UEA is in consultative relations with UNESCO. Mr. McKown is a librarian at the University Libraries.

Pledge materials mailed to faculty

Fund drive endorsed by president

President Oswald has endorsed participation by staff and faculty members at the various campuses in the local efforts, through United Fund, Community Chest, or similar organizations, to raise money for community service purposes.

Through payroll deduction, employees may contribute to one designated major charity campaign each year. Materials supporting the University Park area campaign drive by United Way were mailed yesterday to all employees in the area. A letter from President Oswald, dated Sept. 15, explained that "while the University is a part of the life of many Pennsylvania communities, it is difficult for it, as a corporate entity, to support needed community services. However, as individual members of both

the University and the community, we do have the opportunity through United Way to provide our voluntary financial support."

Graduate School Dean James B. Barlow, chairman of the United Way activity at the University, noted that "our goal is 10 percent response. The University is Century County's No. 1 employer; we hope it will be the No. 1 contributor."

Brochures describing the participation, agencies and contribution cards were mailed to employees. Individuals may make cash or check contributions if they do not elect to use the payroll deduction plan. New employees, added to the payroll after August 31, may obtain campaign information and contribution cards from various area sub-chairmen.

Behrend to honor local citizens

A "Behrend College Medallion" has been established to be awarded to citizens of Northwest Pennsylvania who have attained excellence in their chosen professions, and the first recipient will be Capt. Paul J. Weltz, Skylab II pilot, who will be honored Sunday, Oct. 7, at the College.

Capt. Weltz is to serve this weekend as

Alumni Fellow at the University Park Campus.

A native of Harborcreek Township, which is near Erie, Capt. Weltz is, of course, a University Park graduate.

A luncheon will be held at 12:30 p.m. in Reed Dining Hall at Behrend Oct. 7, while faculty and students will attend.

Honored for community service

HD recognition award to alumna



Margaret-Alice Haggart Lucas will receive the Alumni Recognition Award of the College of Human Development, during ceremonies Thursday, Sept. 27, at 8 p.m., in Room S209 Human Development.

Mrs. Lucas, one of two persons selected

to receive the newly-established award, is being cited for her outstanding contributions in community service.

Dr. Vilma Hunt, president of the College of Human Development Faculty Organization, will present the award on behalf of faculty, students and alumni. Theme of the program is "Innovative Services in the Community."

Mrs. Lucas, a 1965 Penn State graduate has combined marriage and family with a career. The wife of a career Naval officer and the mother of two children, she joined the Child and Family Services of Newport Rhode Island, in 1969 when the day care center was serving three children.

Today it has grown into a comprehensive day care agency with a staff of 12 and services for groups of all ages.

NEWS —

(Continued from page one)

EBERLY SERVICES

Robert E. Eberly, who was national chairman of the Penn State Alumni Fund during the past year, will serve again in that capacity for the 1974 campaign. He has set as an objective an increase in the contributions, which topped \$527,000 in 1973. Eberly, Uniontown industrialist and civic leader, is a 1939 graduate and has received the Distinguished Alumnus Award. He has been treasurer of the Fayette Campus Advisory Board since the Campus was established in 1965.

PRESIDENT NAMED

President Oswald has been appointed to the Advisory Council of Presidents of the Association of Governing Boards of Colleges and Universities, an organization devoted to strengthening higher education by strengthening its lay leadership.

AG SCHOLARSHIPS

The average amount of the 107 scholarships provided to College of Agriculture students last year was \$246, which the College seeks to increase by appealing to businesses, industries, and individuals. It is noted that 58 per cent of scholarship aid comes from donations of individuals and 24 per cent from nonprofit agricultural associations.

CREATIVE COOKERY

The Capitol Campus Faculty Women's Club has created a 350-page cookbook, "Creative Campus Cookery," which features the recipes of each of the persons who contributed to the book, those of the Campus community and local and nationally known personalities. Proceeds from the sale of the books (\$3.50 each plus 21 cents postage) go to the Student Scholarship Fund. Checks or money orders should be made out to the Capitol Campus Faculty

Women's Club and sent to Mrs. Charles Hary, 21 Heatherland Rd., Middletown, Pa. 17057. Include name and address. The book has recipes for everything from appetizers to gourmet entrees and those of ethnic origin.

ELECTED

Dr. Hubert L. Barnes, professor of geochemistry and director of the ore deposit research section, College of Earth and Mineral Sciences, has been elected to serve as a member of the U.S. National Committee for Geochemistry for a three-year term. The Committee advises the National Academy of Sciences, which named him to the post, the National Science Foundation, and other agencies in the field of geochemistry, and serves to represent U.S. geochemists internationally.

HONORED

Dr. Nunzio J. Palladino, dean of the College of Engineering, has been honored in election as Fellow of the American Society of Mechanical Engineers. He earned his bachelor's and master's degrees in mechanical engineering at Lehigh University. For many years his interests lay in the field of nuclear engineering; he headed the department of nuclear engineering before becoming dean in 1966 and is a Fellow of the American Nuclear Society. He holds the Prime Mover's Award of A.S.M.E. for his contributions to the literature nuclear reactors.

LIGHTING EQUIPMENT

Portable lighting equipment that will be used ultimately in the Kern Graduate Theater and at the nearby proposed Herring and Alti Plaza will be purchased with the aid of a \$1,000 grant by the Alumni Fund. In the building, the equipment will be used in the auditorium and, with portable stage, in the coffee house. At Alti Plaza, the lighting will be used for outdoor theatrical activities.

PENN STATE intercom

Volume 3, Number 5

October 4, 1973

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

Approve cooperative program

The Board of Trustees last Friday approved a cooperative educational program in liberal arts and engineering between the University and Edinboro State College.

Under the agreement, Penn State will wish to enter specified curricula in the College of Engineering and the College of Earth and Mineral Sciences following completion of a three-year program at Edinboro.

The cooperative program, which is similar to programs instituted previously by Penn State and other Pennsylvania liberal arts colleges, will enable students to obtain a general education in liberal arts as well as a technological education through five years of study instead of six or more years that might be required if the degrees were obtained separately.

Upon completion of the five-year program, the student will earn a bachelor of arts degree in arts and letters and also a bachelor of science degree in one of 15 different curricula.

According to Dr. Robert E. Dunham, vice

president for undergraduate studies at Penn State, the program permits students whose aptitude for engineering may be uncertain, or whose decision between engineering and other disciplines may not yet be made, to study both arts and sciences during the first three years of college, while determining whether or not their major interest lies in the field of engineering.

The plan also is designed to:

—Provide students with a planned sequence of liberal arts courses which, if completed successfully, would guarantee them acceptance in an engineering curriculum.

—Allow those qualified students to receive both a liberal and technical education at relatively low costs and thus help provide the State and the Nation with more well-educated engineers.

Colleges currently cooperating with the University in a similar arrangement are Albright, Lycoming, Elizabethtown, Millersville, Slippery Rock, Saint Vincent's, Westminster, and Lincoln University.

Undergraduate studies division

Establishment of a new academic unit to improve student advising and enroll students unsure of their academic goals was approved last Friday by the Board of Trustees.

The Division of Undergraduate Studies, established effective Oct. 1, was developed out of extended investigations conducted jointly by faculty and administrators and approved by the University Faculty Senate.

Dr. R. E. Larson, provost of the University, said the new division will have responsibilities in four major program areas:

—Serve as an academic unit for the advancement, enrollment and registration of undergraduate degree students not enrolled in one of the University's ten existing colleges, and for resident education adjunct students and others aspiring for degree programs.

—Provide pre-college testing and counseling services for entering undergraduate students at all locations.

—Develop an academic information system, including undergraduate academic in-

formation centers within each college and campus, for the collection and dissemination of information on academic programs, courses, and procedures for the purpose of supporting and supplementing academic advising by faculty.

Dr. Larson said establishment of the Division of Undergraduate Studies as an academic unit will enable the University's Career Development and Placement Center to concentrate on extensive career counseling and develop a staff of experts in the field of vocational and career decisions and placement.

Arts services unit is established

Dr. Walter H. Walters, dean of the College of Arts and Architecture, has also been appointed director of University Arts Services.

In this position, he will continue to coordinate the professional programs of the Museum of Art, the Artists Series, the University Theatre, and a new unit of Auditorium Management.

This unit will include a manager of auditoriums, production and assistant production managers, a theatre systems engineer, a resident house manager, and an accounting aide.

For cultural events, the University will (Continued on page two)

Administrative structure changes at Hershey

A revised administrative structure at The Milton S. Hershey Medical Center was announced last week by Dr. John W. Oswald, president of the University, and Dr. Harry Prystowsky, provost and dean at Hershey, following the meeting of the Board of Trustees.

Dr. Prystowsky said that the Medical Center has reached a point in its growth and development where several new positions are being established to provide the most efficient direction of the Medical Center's three primary functions of patient care, education, and research.

"I am pleased that people who are already members of our staff have accepted these additional responsibilities while retaining positions they have held since

their arrival at Hershey," Dr. Prystowsky said.

Dr. Fred Rapp has been appointed associate provost and dean for health affairs. Dr. Rapp has been professor and chairman of the department of microbiology at Hershey since 1969.

Clarence A. Brockman, who joined the Medical Center staff in February of this year as associate provost for management, has been named associate provost for administration.

Three department chairmen have been named associate deans in relation to the three major purposes of the Medical Center. Dr. John A. Waldhausen, professor and chairman of surgery and chief of cardiothoracic surgery since 1970, is associ-

ate dean for health care. Dr. Nicholas M. Nelson, professor and chairman of pediatrics since 1970, is associate dean for education. Dr. Howard E. Morgan, professor and chairman of physiology since 1967, is associate dean for research.

Three faculty members have been named assistant deans. Dr. Cheston M. Berlin, associate professor of pediatrics and pharmacology since 1971, is assistant dean for student affairs (M.D. degree program). Dr. Elliott Vesseli, professor and chairman of pharmacology since 1968, is assistant dean for graduate education (Ph.D.-M.S. degree programs). Dr. Richard M. Bergland, professor of surgery and chief of neurosurgery since 1971, is assistant dean for continuing education.

Guidelines for Implementation of the Faculty Rights and Responsibilities Report of the University Faculty Senate

1. The preamble of the Report is not a part of the statement. It should be used for guidance on such matters as the meaning of academic freedom, professional ethics and procedural fairness.

2. The policy begins with Part II, A, Scope, beginning on page 4 of the Report.

The term faculty member shall include the Senate's definition of the electorate plus the research equivalent ranks as specified in the Policy Manual (PS-21). The definition is as follows: All persons who are not candidates for degrees at Penn State, who hold full-time academic appointments, and who fall into one of the following categories, those holding professorial, research or librarian titles, those who are full-time instructors or assistant librarians, and those other full-time academic employees who are members of the Graduate Faculty but who do not fall into either of the above categories.

3. Part II, B, (page 4 of the Report) defines the kinds of issues which the Committee may review. The Committee shall not consider the substantive academic judgment aspects of such matters as promotion, tenure, compensation, and evaluation of performance in such matters as those which procedural fairness may be reviewed. The Committee may not review petitions which are being or have been processed in the courts or through affirmative action.

4. Some persons who are not included in the definition of faculty members should also have access to these procedures.

The use of the masculine gender is solely for convenience. The term ombudsman may apply to both men and women who perform this role.

For those matters specified in Part II, C, this provision shall apply to professional employees involved in teaching, research or creative activities who are attached to a research unit or an academic college. This would also include the following categories: part-time (with at least a six months appointment), visiting, clinical, and adjunct.

6. Paragraph II, C, 3, describes other matters that may come under the jurisdiction of the Committee on Faculty Rights and Responsibilities. These other matters shall not be defined so as to include cases which are being or have been processed in court, or through affirmative action.

6. In such cases as described in paragraph II, C, the only place for hearing is through the Standing Joint Committee on Tenure.

7. Procedures for the establishment of conciliatory mechanisms (Part III).

A. Ombudsmen shall be appointed in the following colleges, campus and academic units, the ten academic colleges at University Park, the Library, each of the 17 Commonwealth Campuses, the Behrend College, the Capital Campus, the King of Prussia Graduate Center, and the Milton S. Hershey Medical Center.

For those not associated with one of these academic units or in cases where the appropriate ombudsman may be in doubt, the following policy shall be applied:

1) Where appropriate, the ombudsman will be the same as the academic unit to which the employee is most closely associated. For example, research

(Continued on page four)

Three-year term, expiring June, 1976 — Roy C. Buck, Liberal Arts; Richard Cragg, Agriculture; Robert J. Scannell, dean, Health, Physical Education and Recreation.

Two-year term — Jeanne L. Smith, Ogontz Campus; E. T. Z. Sun, Liberal Arts; James B. Bartoo, dean, Graduate School.

One-year term — Robert J. Graham, Capitol Campus; Elizabeth M. Ray, Education; Stanley F. Paulson, dean, Liberal Arts.

Elects as Alternates:

Three-year term, expiring June, 1976 — Charles L. Hosler, Jr., dean, Earth and Mineral Sciences; Richard A. Master, Behrend College; Theodore R. Vallance, Human Development.

Two-year term — Henry W. Moehling, Berks Campus; Donald R. Olson, Engineering; Nunzio J. Palladino, dean, Engineering.

One-year term — Raymond G. Ayoub, Science; Daniel Katkin, Human Development; Thomas Wartick, dean, Science.

EDITOR'S NOTE: On page four of this issue of INTERCOM is the complete text of the Report of the Joint Subcommittee on Faculty Rights and Responsibilities of the University Faculty Senate, as passed May 8, 1973. At left on this page are the Administrative Guidelines to be used in implementing the Report, as transmitted by President Oswald to Senate Chairman Dr. Ernest Bergman. Some additional copies of this issue of INTERCOM are available and will be sent, on request, as long as they last. Call 865-7817 or address the request to INTERCOM, 312 Old Main.

September 14, 1973

Dr. Ernest Bergman
Chairman of the
University Faculty Senate
204 Wilbur Building
University Park, Pennsylvania 16802

Dear Dr. Bergman,

The consultative process on administrative guidelines for the Implementation of the Faculty Rights and Responsibilities Report has been completed. A copy of the guidelines is enclosed. I would like to restate some important points relative to the Implementation of this new policy.

1. The new policy is effective as of September 1, 1973. No action taken before that date will be subject to the committee's consideration.

2. The procedures in this new policy must not be considered as replacing the regular administrative decision-making channels of the department or division heads, campus deans, and deans.

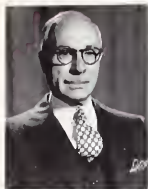
3. The newly formed Senate Committee on Faculty Rights and Responsibilities will confine itself to consideration of alleged violations of academic freedom, professional ethics and procedural fairness. The burden of proof in establishing a prima facie case shall be on the complaining party. The Committee's jurisdiction is precluded from considering the substantive academic judgment aspects of such matters as promotion, tenure, compensation, and evaluation of performance.

4. This new policy, as other policies, is subject to continue our review and revision.

I am pleased that the Senate and the administration have been able to cooperate so well in developing this new policy. As you suggested in your letter of July 26, 1973, the new policy will be incorporated into the Policy Manual.

Sincerely,
John W. Oswald

Dean Kern dies at age of 90



Dr. Frank D. Kern, the first dean of the Graduate School, died early Friday, Sept. 28, at the age of 90. Trustees of the University in 1971 named the new Kern Graduate Bldg. for him, recognizing his 37 years of service, which included also appointments as professor and head of the Department of Botany prior to his retirement with emeritus rank in 1950. He became professor and head of the Department of Botany at Penn State in 1913, after serving as special agent for the Bureau of Plant Industry of the U.S. Department of Agriculture, as botanist at the Agricultural Experiment Station and Instructor at Purdue University, and as research scholar at the New York Botanical Garden. He received the bachelor of arts degree from the University of Iowa, the master of science degree from Purdue, and the doctor of philosophy degree from Columbia University. In 1922, when the Graduate School at Penn State was formally established, Dr. Kern was named dean. During the next 28 years he directed the development of graduate programs in numerous fields. A noted botanist, Dr. Kern twice served one-year terms, in 1926-27 and 1933-34, as acting dean of the University of Puerto Rico's Colleges of Agriculture and Engineering while on leaves of absence from Penn State. The University of Puerto Rico conferred upon him the honorary degree of doctor of science in 1926. Since his retirement, he has published more than 20 papers, and earlier this year he published a new book to revise and update research he started 60 years ago on a genus of fungi known as cedar apple rusts. His botanical research throughout his career was concerned most notably with rusts and other fungus diseases in plants and resulted in numerous articles and research papers. Dean Kern was honored in 1958 by the American Phytopathological Society on its 50th anniversary as a charter member and as author of the first scientific paper published by the Society.

Retirement

Dr. A. Chester Richer, professor of soil science, retired Oct. 1, just 39 years after he joined the faculty in the College of Agriculture. He was a recent graduate in agronomy in 1934 when he joined the faculty as an assistant. He received his M.S. degree the following year and in 1940 was granted the Ph.D. He was named professor of soil technology in 1952. In 1968 he received the Christian R. and Mary F. Lindback Award for Distinguished Teaching. From 1947 until retirement, he taught a basic course in soil science to more than 6,000 students and in more recent years also had a course in biological science. But he was also advisor to many graduate students, of whom a number have entered the teaching profession. His research was in the areas of soil chemistry, soil organic matter, and soil microbiology. He is the co-author of the textbook, "Producing Farm Crops." For his outstanding contributions to the field of soil science, he was honored in 1970 with the Pennsylvania Plant Food's "Man of the Year" award. He is a Fellow of the American Association for the Advancement of Science.

News in Brief

USMC BIRTHDAY

The U.S. Marine Corps will celebrate its 198th birthday Nov. 10, and the event will be noted at a dinner, dance, and ceremony at the Elks Club. The Marine Officer Instructor at the University wishes to include all regular, reserve, retired, and former Marines in the State College area in the mailing list used to send invitations for the affair. Anyone eligible who does not believe he is on the list should get in touch with Major Roger K. Ryman or GYSGT Steve Valent at 865-4052, at the office, or in the evenings at 237-1738 or 237-5666.

WOMEN AND CANCER

In a program sponsored by Sigma Delta Epsilon, women's professional society in science, Wednesday, Oct. 10, at 8 p.m., in Room 101 Kern, the public is invited to see three films on women and cancer, with a demonstration of breast examination by a registered nurse.

Hospital coverage review urged

Faculty and staff members of the University should review periodically the deduction taken for their hospital coverage to be certain that they are paying for the correct coverage.

The reason the review should be made is that changes in family status may affect your costs and your coverage. For example, when you get married, when you have a first child, or when your spouse stops working for the University, you run the risk of having inadequate dependent coverage unless you do something about it.

You should check your coverage if any of the following circumstances arise:

1. Your spouse or child begins working for the University as a regular employee.
2. Your spouse or only child dies.
3. You are divorced.
4. Your only dependent child enters military service or reaches his 18th birthday (or 23rd birthday in the case of a full-time student).
5. Your only dependent child gets married.
6. Your spouse reaches age 65.

PIANO RECITAL

A piano recital, scheduled in conjunction with the "Three Swiss Painters" exhibit, will be presented by Swiss pianist Elisabeth Helm at 3 p.m., Sunday, October 7, in the Museum's Gallery C. Miss Helm, a champion of young Swiss avant-garde composers, will play 20th century Swiss piano music. The recital will be followed by a reception in Gallery C at 5 p.m. Tickets are available at the Museum Store during the week prior to the performance, at \$1.00 per student, \$1.50 for nonstudents.

THALIA TRIO

The Thalia Trio will perform works by Mozart, Sowell, and Brahms in a concert on Wednesday, October 10, at 8:30 p.m., in the recital hall of the Music Building. Robert Baisley, pianist, Joanne Zagst, violinist, and Leonard Feldman, cellist, combined to form the chamber music trio in 1967.

How do you know if you have the right coverage or are paying the right amount? Compare the amounts shown on your salary check stub with the amount you should be paying as shown in the following table.

INSURED PERSONS	MONTHLY	BI-WEEKLY
Employee, only	None	None
Employee, child, children	\$1.75	\$0.80
Employee, spouse	\$3.60	\$1.66
Employee, spouse, child or children	\$5.00	\$2.30

(These rates apply when all insured persons are under age 65. Persons over age 65 are insured in a different plan on a cost.)

If a change should be made, call, write or visit the Employee Benefits Division, 133 Willard, 865-1473. The University has no way of knowing whether a change should be made, so it is the employee's responsibility to keep the records up to date and accurate. No refunds for overpayment will be made unless it is shown the University was in error.



Service Award

Harold D. White, Jr., right, associate professor of physical education, receiving the 26-Year Service Award from College of Health, Physical Education and Recreation Dean Robert J. Scamell, actually began his service in the College of Agriculture. He was instructor in Rural Sociology Extension when he joined the faculty in September, 1948, becoming assistant professor in 1951, as a recreation specialist. A year later he was appointed assistant professor of physical education when a formal program of student activities clubs was instituted. Since then he has been the important cog in the program that gets some 5,500 students into extra-curricular activities ranging from archery to water polo. A University of Massachusetts graduate with a B.S. in recreational leadership, Hal had gone to college after serving four years in the U.S. Army. He was an executive in Boy Scout work in Colorado and was director part time in a youth center in New Hampshire before coming here in 1948. He subsequently earned a master's degree in education at U. of Mass. in 1951.



Wilkinson Award

The John E. Wilkinson Award for Administrative Excellence in the University was presented last week to Kenneth L. Holderman, third from left above. President Quast made the presentation of the award which was established in 1970 to honor a University administrator for outstanding achievement. At right is Mr. Wilkinson, Bellefonte businessman, for whom the award is named and at left is Sy Barash, State College businessman and treasurer of the group which sponsors the award. Holderman, who has served the University since 1960, is vice president for Commonwealth Campus; previously he had been in the College of Engineering, from 1940 to 1959, primarily in extension activities. He was assistant dean of the College at one time. Previous winners of the award were the late Dr. Paul Althaus, provost, and John V. Pezzoni, manager of the employee benefits division of the department of personnel administration.

ARTS —

(Continued from page one)

have the present Schwab Auditorium which will handle audiences up to 800, and the new University Auditorium, scheduled to open next Spring, which will be used for audiences numbering between 800 and 2,600. Larger groups for cultural events will be accommodated in Recreation Bldg., and the Office of Auditorium Management will coordinate them.

Dean Walters will have the counsel of two advisory committees. An Activities Advisory Committee will consider matters of policy concerning the events eligible to use the auditoriums, suggest improvements in services, and assist in determining priorities for use of the facilities.

Members of this Committee, each of whom will serve a two-year term, include the manager of auditoriums, representatives of various user groups appointed

by the University Provost, one undergraduate student appointed by the president of the Undergraduate Student Government, and one graduate student named by the president of the Graduate Student Association.

A Management Advisory Committee has also been established which will advise Dean Walters and the manager of auditoriums on improvements in management, operations and procedures, personnel management, and budgetary matters. The Provost has appointed this five-member Committee, also for two-year terms. Serving are L. P. Greenhill, assistant vice president for academic services; Dr. Melvin S. Klein, director of student activities; George R. Lovette, assistant vice president for business; David R. Schuckers, director of University relations; and Henry L. Yentley, Jr., assistant vice president for physical plant.

University Calendar

October 4-14, 1973

Special Events

Thursday-Friday, Oct. 4-5 — Five O'Clock Theatre, Pavilion, 5:20 p.m., Thursday; 7:20 p.m., Friday.
Friday, Oct. 5 — Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.
Friday, Oct. 5 — Free-Y Jammy, 7:30-11:30 p.m., HUB ballroom.
Saturday, Oct. 6 — Sports: Cross Country, vs. West Virginia; Rugby, vs. Rutgers, 2 p.m.
Saturday, Oct. 6 — Free-Y children's film, 12:30 and 2:30 p.m., HUB assembly room.
Sunday, Oct. 7 — Elsiebeth Helm, piano recital, 3 p.m., Museum of Art, Gallery C.
Sunday, Oct. 7 — Sigma Chi Derby Day, 1-4 p.m., HUB lawn.

Sunday, Oct. 7 — Chapel Service, 11 a.m., Eisenhower Chapel. Charles L. Coleman, Religious Affairs.
Sunday, Oct. 7 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.
Monday, Oct. 8 — Anne Reynolds, graduate student, piano recital, 8:30 p.m., Music Bldg. recital hall.
Wednesday, Oct. 10 — Thaila Trio, 8:30 p.m., Music Bldg. recital hall.
Wednesday, Oct. 10 — Sigma Delta Epsilon, film on cancer detection, 8 p.m., Room 101 Kern.
Friday, Oct. 12 — Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.
Friday, Oct. 12 — Sports: Freshman Football, vs. Delaware, 3 p.m.

Friday, Oct. 12 — Young Socialists, social event, 7-12 p.m., HUB ballroom.
Saturday, Oct. 13 — Artists Series, "Two Gentlemen of Verona," 8:30 p.m., Rec Hall.
Saturday, Oct. 13 — Sports: Women's golf, vs. SUNY-Buffalo, 10 a.m.
Saturday, Oct. 13 — WHRA Record Hop, 8 p.m., HUB ballroom.
Saturday, Oct. 13 — Sports: Football, vs. Army, 1:00 p.m., Beaver Stadium.
Sunday, Oct. 14 — Raymond Brown, voice recital, 3:30 p.m., Music Bldg. recital hall.
Sunday, Oct. 14 — Chapel Service, 11 a.m., Eisenhower Chapel. Donald A. Webb, Methodist Theological School in Ohio.
Sunday, Oct. 14 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

Lectures

Thursday, Oct. 4 — Dr. D. Garfinkel, Moore School of Engineering, on "Computer Application in Medicine," 8 p.m., Room 110 Osmond. Sponsored by ACM Chapter.

Seminars

Thursday, Oct. 4 — Chemistry, 12:45 p.m., Room 310 Whitmore. Richard P. Vandyne, Northwestern University, on "Applications of Nanosecond Photon Timing Experiments to Chemistry."
Thursday, Oct. 4 — Physics, 3:35 p.m., Room 117 Osmond. Malvin A. Ruderman, Columbia University, on "Relativistic Theories of Composite Systems."
Thursday, Oct. 4 — Agronomy, 3 p.m., Parking Lot Blue C. L. T. Kardos, soil physics, on "The Living Filter." Field Trip.
Thursday, Oct. 4 — Microbiology, 11 a.m., Room 71 Willard. Dr. Perry L. McCarty, Dept. of Civil Engineering, Stanford University, on "Biological Nitrification and Denitrification of Waste Waters."
Thursday, Oct. 4 — Computer Science and Physical Chemistry, 4 p.m., Room 101 Althouse. Dr. D. Garfinkel, Moore School of Electrical Engineering, on "Computer Modeling of Complex Biochemical Systems."
Thursday, Oct. 4 — Anthropology, 3 p.m., Room 101 Kern. Dr. Carol P. Hoffer, Franklin and Marshall College, on "Bundu: Political Implications of Female Solidarity in a Secret Society."

Monday, Oct. 8 — Genetics, 3:55 p.m., Room 111 Tyson. Dr. Wallace Snipes, on "The Nature and Genetic Control of Phospholipid Synthesis in Cells Infected with a Liquid-Containing Bacterial Virus."
Monday, Oct. 8 — Physics Solid State, 4 p.m., Room 339 Davey. Dr. R. L. Park, Sandia Laboratories Albuquerque, New Mexico.
Monday, Oct. 8 — Analytical Chemistry, 1 p.m., Room 310 Whitmore. John Lynch on "Advances in Thermometric Titrimetry."
Monday, Oct. 8 — Health, Physical Education and Recreation, 7:30 p.m., Room 112 Kern. Dr. David R. Maneval, Science Advisor for the Appalachian Regional Commission, on "Utilization of Mining Lands for Recreation."
Tuesday, Oct. 9 — Graduate Air Pollution Control, 2:20 p.m., Room 140 Fenske Lab. Dr. R. J. Anderson, Director, Environmental Policy Center, on "Some Thoughts on Current Air Pollution Control Policies."
Tuesday, Oct. 9 — Engineering Mechanics, 4 p.m., Room 215 Hammond. Dr. Eugene E. Watson, on "Sound Radiation Detection by Long-Wavelength Acoustical Holography."

Tuesday, Oct. 9 — Comparative Literature luncheon, 12:15 p.m., HUB dining room A. Otto Poegeleier.
Tuesday, Oct. 9 — Operations Research, 2:45 p.m., Room 267 Willard. Dr. E. Emory Ensore on "Multistage Leontief Systems with Dynamic Characteristics."
Wednesday, Oct. 10 — Ceramic Science, 4 p.m., Room 244 Deike. Dr. J. I. Goldstein, Lehigh University.
Wednesday, Oct. 10 — Fuel Science, 4 p.m., Room 341 Deike. Dr. Philip M. Becker on "How Methane Burns."
Thursday, Oct. 11 — Computer Science, 4 p.m., Room 101 Althouse. Dr. M. Carey, Bell Laboratories, New Jersey, on "Bounds on Scheduling with Limited Resources."
Thursday, Oct. 11 — Physics, 3:35 p.m., Room 117 Osmond. Robert Gomer, University of Chicago, on "Recent Developments in Surface Physics."
Thursday, Oct. 11 — Chemistry, 12:45 p.m., Room 310 Whitmore. W. E. Billups, Rice University, on "Thermal Hydrocarbon Rearrangements."
Thursday, Oct. 11 — Agronomy, 3:55 p.m., Room 301 AB Agri. Adm. R. M. Leach, poultry science, on "Heavy Metals and the Food Chain."
Friday, Oct. 12 — Ceramic Science, 4 p.m., Room 244 Deike. Dr. Barry Koepke, Honeywell.

Meetings

Thursday, Oct. 4 — College of Engineering Faculty, 3:30 p.m., Room 26 Mineral Sciences.
Thursday, Oct. 4 — USG Academic Assembly, 7:30-9 p.m., Room 203 HUB.
Monday, Oct. 8 — College of Education Student Council, 7:30-8 p.m., Room 317 Boucke.
Monday, Oct. 8 — OTIS, 6:30-7:30 p.m., HUB assembly room.
Monday, Oct. 8 — USG Senate, 7:30-10:45 p.m., HUB assembly room.
Monday, Oct. 8 — Panel Council, 6:30 p.m., Kappa Delta, Cross Hall.
Tuesday, Oct. 9 — Engineering Undergraduate Council, 7:30 p.m., Room 207 Sakell.
Tuesday, Oct. 9 — ARHS, 7:30-9:30 p.m., Room 203 HUB.
Tuesday, Oct. 9 — University Faculty Senate, 7:10 p.m., Room 112 Kern.
Wednesday, Oct. 10 — A.W.S., 7 p.m., Room 203 HUB.
Wednesday, Oct. 10 — Earth and Mineral Sciences Student Council, 6:15 p.m., Room 244 Deike.

Films

Thursday, Oct. 4 — International Films, 7 and 9 p.m., HUB assembly room. "Two Daughters," directed by Satyajit Ray.
Friday-Saturday, Oct. 5-6 — Student SF films, 7 and 9 p.m., HUB assembly room. "M."
Saturday, Oct. 6 — USG films, 7-12 p.m., HUB ballroom. Marx Brothers, Spanky and Cur Gang, etc.
Wednesday, Oct. 10 — Commonsplace Theatre, 8 and 10 p.m., Room 112 Kern. "The Wild One."
Thursday, Oct. 11 — International Films, 7 and 9 p.m., HUB assembly room. "Alphaville," directed by Jean-Luc Godard.
Friday-Saturday, Oct. 12-13 — Student SF films, 7 and 9 p.m., HUB assembly room. "The Thing."

WPSX highlights

Friday, Oct. 5: At 7:30 p.m., "People, Places, Things, Now" presents the WPSX production of "They Just Faded Away (A Vietnam Homecoming)," a half-hour documentary about the physical, economic, and psychological frustrations and problems facing many of Pennsylvania's Vietnam era veterans. At 8:30 p.m., "Wall Street Week" returns for another season of stock market news with a look at the cost of living.
Saturday, Oct. 6: At 2 p.m., "The Advocates" begin a new series of debates on current issues by asking "Should the Senate Watergate Hearings Stop Now?" A series of limnaker Frederick Wiseman's cinema verite documentaries begins at 8:30 p.m. with his "Basic Training," a look at a soldier's first weeks of life in the U.S. Army.
Sunday, Oct. 7: The Alard String Quartet performs three quartets by Joseph Haydn on the first program of "The Classical String Quartet" at 8 p.m. Folk and rock music and where they

stood when they met in 1970 provide the focus of "Folk-Rock 1970," featuring top folk and rock musicians, at 8 p.m. At 9 p.m. Ian Carmichael stars as Lord Peter Wimsey, Dorothy Sayers' British detective hero, when "Mystic Picture Theatre" brings a five-part dramatization of "Clouds of Witness."

Monday, Oct. 8: At 8 p.m., "The PBS Special of the Week" presents an evening with the American Ballet Theatre, America's oldest and most distinguished dance company, featuring a complete production of Antony Tudor's "Pillar of Fire," as well as excerpts from their extensive repertoire. Pennsylvania's 195, the law that allows public employees to unionize and bargain with employers is examined by teachers, legislators, and school administrators on the first program of "Overview" at 9:30 p.m.
Wednesday, Oct. 10: At 7:30 p.m., Nittany Lion Coach Joe Paterno and co-coaches Jim Termon and Fern Fisher review and analyze Penn State's game with Air Force on "TV Quarterbacks."

Interest Groups

Alpha Phi Omega, Mondays, 7 p.m., Room 308 Boucke.
Archery Club, Mondays, Wednesdays, Thursdays, 7 p.m., Room 33 White.
Chess Club, Wednesdays, 6:30 p.m., HUB card room.
Chess Team, Thursdays, 6:30 p.m., Room 106 Sackell.
Coed Gymnastics Club, Mondays, 7:30 p.m., Rec Hall, South Gym; Thursdays, 7:30 p.m., White gymnastics room.
Eco-Action, Mondays, 8:30 p.m., Room 301 Boucke.
Focus on Sweden, Tuesdays, 7 p.m., Room 312 Boucke.
Free-Y, Mondays, 7 p.m., Room 203 HUB.
Gamma Sigma Sigma, Tuesdays, 7 p.m., Room 303 Boucke.
Interludia Folk Dancers, Sundays, 7:30 p.m., HUB ballroom.
Keystone Society, Wednesdays, 7-8:30 p.m., Room 304 Boucke.
S.I.M.S., Wednesdays, 8 p.m., Room 108 Forum; Thursdays, 8 p.m., Room 101 Chambers.
Young Socialists, 7:30 p.m., Mondays, Room 167 Willard; Wednesdays, Room 62 Willard.
PSOC, Cane division, Thursday, Oct. 4, 7:30 p.m., Room 214 Boucke.
Ukrainian Club, Thursday, Oct. 4, 8 p.m., Room 50 White. Folk dancing; public welcome.
Circle K, Thursday, Oct. 4, 7:30 p.m., Room 67 Willard.
Penn State Young Republicans, Monday, Oct. 8, 7 p.m., Room 369 Willard (subject to change).
PSOC, Mountaineering division, Tuesday, Oct. 9, 7:30 p.m., Room 214 Boucke.
Nittany Grotto, Wednesday, Oct. 10, 7:30 p.m., Room 273 Willard.
Penn State Sports Car Club, Wednesday, Oct. 10, 7:30-9 p.m., Room 363 Willard.
Films.
Campus Gold Girl Scouts, Tuesday, Oct. 11, 7 p.m., Cross Hall lobby.
PSOC, Sailing division, Thursday, Oct. 11, 7:30 p.m., Room 214 Boucke.

Exhibits

Museum of Art — Three Swiss Painters, Galleries A, B, C.
Zoller Gallery, Visual Arts — Silman and Albers, until Oct. 12.
Kern Gallery — Black Images, photography, ACU-1, until Oct. 6. June Stoyer, acrylics, Marilyn Dwyer, palette knife, opening October 7. DuWayne Milloties, photography, opening October 7.
Paltee Library, Circulation Lobby — "Retrospect," Janet Dougherty. Arts Lobby, 10 Eastern European Prints.
Sackell Building Gallery, third floor — Architectural models, until October 5.

Official

Saturday, Oct. 6 — Last date for a December graduate to deliver doctoral thesis to committee.
Saturday, Oct. 13 — Last date for a December graduate to deliver Master's Thesis or Paper to adviser.
Saturday, Oct. 13 — Last date for final oral doctoral examinations for December graduates.



Artists Series

The 1972 Tony Award for Best Broadway Musical was given to the pop musical "Two Gentlemen of Verona," which will be featured on the Artists Series Saturday, Oct. 13, at 8:30 p.m. in Recreation Building. Produced by Joseph Papp and the New York Shakespeare Festival, the musical has been a hit wherever it has played on tour and is on Broadway. Tickets for the single performance will go on sale to the general public Wednesday, Oct. 10, at 3 a.m. in the HUB; for students, the sale begins Tuesday, Oct. 9, also at 3 a.m.

PENN STATE intercom

Volume 3, Number 6

October 11, 1973

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

Undergraduate studies director

Committee seeks division head

A nine-member faculty-student committee has been appointed to seek nominees for the directorship of the new Division of Undergraduate Studies. Dr. Robert E. Dunham, vice president for undergraduate studies, has announced.

The committee is to consider all potentially qualified candidates and will submit a list of four or five candidates who committee members believe to be most highly qualified for the post. Completion of the committee's assignment is expected by Jan. 1.

The Board of Trustees, at its Sept. 28 meeting, approved establishment of the Division of Undergraduate Studies as an academic unit to improve student advising and enroll students unsure of their academic goals.

Dr. Harvey W. Wall is serving as acting director of the Division, which was developed out of extended investigations con-

ducted jointly by faculty and administrators and approved by the University Faculty Senate.

Dr. Asa J. Berlin, associate professor of speech pathology, serves as chairman of the search committee. Members are Dr. Jefferson D. Ashby, counselor with the Career Development and Placement Center; Dr. Thomas E. Daubert, associate professor of chemical engineering; Ronald G. Hoover, assistant professor of English at the Altoona Campus; Dr. W. Lamar Kopp, associate professor of German and assistant dean in the College of the Liberal Arts; Dr. Mary L. McCammon, associate professor of mathematics; Dr. Eugene R. Melander, professor of quantitative business analysis and assistant vice-president for undergraduate studies; Cynthia R. Beach, sophomore in man-environment relations at the Altoona Campus; and Bruce A. Hild, sophomore in counseling.

Through a course improvement grant

Radical revision made in basic psych course

A radical revision of Psychology 13, Introduction to Developmental Psychology, has been completed by Dr. Francis J. Whaley, associate professor of psychology at Penn State, and Dr. Penny Ziegenfuss, assistant professor of child development at the University of Delaware, who will be offered at both schools.

Funds for the project were supplied

through a course improvement grant by the office of Dr. Robert E. Dunham, vice president for undergraduate studies. Almost 100 hours of videotapes were made using the facilities of the Division of Instructional Services.

The revised course now contains little format "lecturing," according to Dr. Whaley, with most of the tapes devoted to vis-

News in Brief

CLEOPATRA

"Cleopatra" will be the subject of a talk by writer and lecturer Michael Grant, Wednesday, Oct. 17, at 8 p.m. in the HUB Assembly Room. The program is sponsored by the Graduate School Lecture Committee and the Department of Classics. A scholar and specialist in Roman coinage, Dr. Grant has written, edited, and translated more than 25 books, ranging in subject from "Roman Imperial Money" to "Herod the Great," "Julius Caesar," "Gladiators," and "Nero, Emperor in Revolt." His most recent volume, "The Jews in the Roman World," has just appeared in Great Britain.

WOODWIND QUINTET

The new Clarion Woodwind Quintet of the Department of Music will make its debut performance at 8:30 p.m., on Friday, Oct. 12, in the recital hall of the Music Bldg. The quintet, composed of Overde Page, flute, Gregory Donovetsky, oboe,

Smith Toulson, clarinet, and new faculty members William Dole, bassoon, and Christine Dole, French horn, was formed since the beginning of the current term. Danzi's "Quintet, Opus 67, No. 2" will be among the program selections, as will Lefebvre's "Suite, Opus 57," one of the few quintets written during the Romantic period. Compositions by Bozza and Francaix will complete the program.

MUSEUM TRIP

A one-day trip to the University of Pennsylvania Museum and the Philadelphia Museum of Art will get underway at 7:30 a.m. Saturday, Oct. 20, departing from the HUB.

The trip is being sponsored by the Institute for the Arts and Humanistic Studies, in conjunction with the Medieval Studies and Comparative Literature Programs, and is open to all members of the University community.

Guided tours will be provided to Penn's well-known Mesopotamian collection and the medieval materials at the Philadelphia Museum. Each participant is asked to contribute \$6.35 toward the cost of chartering the bus, and checks may be sent to Prof. Caroline Eckhardt, Department of English. The bus will be filled on a first-come, first-served basis.

This is the second trip sponsored by the Institute. Last year, a group visited the Cloisters Museum in New York City.

(Continued on page four)

Coeducational team to start with riflery

Interest growing in women's varsity sports

When Della Durant transferred to Russell Sage College in her sophomore year, she was an English major, but somehow all the compositions she wrote seemed to be about sports.

"So I finally decided that's where I belonged," she recalls, "and switched my major to phys ed."

After obtaining her B.S. in 1950, the Great Barrington, Mass., native taught for a year at a private girls' school in New Jersey and then for four years at the

University of Delaware. In 1955, she returned to school, earning her master's degree in physical education at Penn State, where she has remained.

Women's lib and female stars like Billie Jean King are creating a new image for women in sports, but Miss Durant quietly began helping athletically talented college women develop their potential long before it was fashionable.

Her contributions were recognized last summer when she was named director of

intercollegiate athletics at the University. She has also been elected treasurer of the Association for Intercollegiate Athletics for Women (A.I.A.W.), the national organization which runs women's sports competitions and establishes policy guidelines. Combining the two roles, she is utilizing experiences gained at the University to help revise A.I.A.W.'s most director's handbook.

Penn State currently fields 11 women varsity teams (the men have 14). They are basketball, bowling, fencing, field hockey, golf, gymnastics, lacrosse, riflery, softball, swimming and diving, and tennis.

"Our program grew out of the Women's Recreation Association," Miss Durant explains. "W.R.A. couldn't finance competitions, since it was, and is, a recreational program with clubs, interest groups, and intramural teams on which anyone can play. There were, however, a number of highly skilled women athletes on campus whose needs were not being met, because the level of W.R.A. competition was not challenging enough for them."

Interest among Penn State's women in varsity competition coincided with a national trend in the sixties. A Commission on Intercollegiate Sports for Women was established (to be replaced in 1971 by A.I.A.W.), and rules for national competitions were formulated.

Miss Durant had been serving as advisor to W.R.A. since 1959, and when Penn State's new program began in 1964, she assumed the title of coordinator of women's varsity sports.

"Today, we have one intercollegiate pro-

gram in sports at the University," she emphasizes. "In most sports, we do have separate teams because of differences in strengths between men and women and the danger of contact sports resulting in unequal competition. Also there are different rules in certain sports, such as basketball, depending on whether they are played by men or women."

"Next year, however, we plan to field a coeducational riflery team. Our men and women swimmers and divers practice together, and we are organizing a field and track club for women. We want to offer a quality program for both sexes, so we are constantly alert to equalize opportunities." Women players do not hesitate to bring what they consider evidence of discrimination against them to the attention of Miss Durant and their coaches. One of their pet peeves is a lack of publicity for their efforts.

"It's frustrating for a team to work hard getting ready for a game and then not have anyone come out to see them play," Miss Durant continues. "Newspapers just don't pay as much attention to women's sports as men's, but we have had a graduate assistant assigned to us to try and get more publicity for the girls."

"We try to ensure that the members of a winning women's team get the same kind of awards as their male counterparts; if the men receive a big trophy, the women shouldn't get a fapel pin. We are working on the problems of getting additional training assistance and equipment for women and providing meals for teams which have to schedule practices during the dinner hour."

"As for recruitment and scholarships for women athletes, this problem is being reviewed regionally and nationally, and meet-

(Continued on page four)



Della Durant — women athletes maintain good grades too.

Retirees Dengler, Northrup die

Dr. Robert E. Dengler and Harry B. Northrup, two retirees who served the University for many years, died in the last week of September.

Dr. Dengler, professor emeritus of Greek, who was head of the department of Classics when he retired in 1955, died Sept. 30. Last June, he was honored by former students and colleagues with a reception anticipating his 80th birthday, which was passed August 29. He joined the faculty in 1920, after U.S. Army service in World War I and a short stint of teaching at the University of Pennsylvania, his alma mater. Penn also granted his master's and doc-

tor's degrees, and he also studied briefly at the Sorbonne. A member of a number of honor societies, including Phi Beta Kappa, he was a Fellow of the American Association for the Advancement of Science. He was author of a book on Theophrastus, successor of Aristotle, and of many articles and papers. Persons wishing to memorialize him may contribute to the Dengler Prize, which has been established by the Department of Classics as an annual award to students.

Harry Northrup, director emeritus of Earth and Mineral Sciences Extension, was 87 when he died Sept. 29 in North Carolina, where he lived. He retired in 1947 after serving the University in two periods, 1911-1920 and 1931-1947. He was associate professor of metallurgy in 1920 when he resigned to serve in industry, returning to the campus in 1931 to become director of Mineral Industries Extension Service.

Retirement

Dr. H. Beecher Chambury, who served as State Secretary of Mines and Mineral Industries from 1963 to 1971 while on leave from the faculty, retired Oct. 1 as assistant dean for planning and development in the College of Earth and Mineral Sciences. He plans to continue research and consulting projects. He joined the faculty in 1931, subsequently doing research and teaching in the areas of petroleum and natural gas engineering, fuel technology, mineral preparation, and mining. He values the contact with graduate and undergraduate students and being able to look back on the accomplishments of many of them. In his State service, he served under Governors Scrantom and Shafer and is credited with being the architect of "Operation Scarfill" to combat and erase the scars of a century of unrestrained mining in the State. He also developed methods to prevent stream pollution from mine drainage, eliminate air pollution from burning coal refuse dumps, eliminate hazardous underground mine fires, and also to solve other environmental and human problems related to mines and mineral industries. A graduate of Gettysburg College, he served the department of geology at the University of Pennsylvania, and also taught by Penn State. Gettysburg also conferred on him an honorary doctorate and its Distinguished Alumnus Award.

Appointment

The appointment of Dr. James T. McKeel as director of undergraduate admissions has been announced. Dr. McKeel has been serving as admissions director for advanced standing students in the Division of Admissions, Records and Scheduling. In his new position, he will be responsible for admission of all undergraduate students.

Dr. Robert E. Dunham, vice president for undergraduate studies, will oversee the Division of Admissions, Records, and Scheduling reports, said the appointment of a single officer responsible for the Undergraduate Admissions Office is an important step in the reorganization of the Division begun several years ago.

Dr. McKeel, who received his doctor of education degree from Penn State, joined the staff in 1965 as admissions counselor and research assistant. The following year he was named assistant director of admissions. Since 1967, he was appointed assistant admissions director. He served in that post until May 1, 1969, when he was named admissions director, advancing standing.



25-Year Service Award

Jack H. Vincent, assistant dean for student affairs in the College of the Liberal Arts, received the University's 25-Year Service Award from Dr. Arthur O. Lewis, Jr., associate dean for residential instruction recently, and Dean Stanley F. Paulsen added his thanks and congratulations. Although 1948 is the official beginning of Vincent's service to the University, his first contact was as a student, in the 'forties. He received a B.S. degree in 1937 and from 1938 to 1940 was a student scholar in economics while earning his M.A. degree. For the next two years he was at Cornell University, as instructor while taking graduate work. From 1942 to 1945, he held various positions as an economist with the U.S. Bureau of Labor Statistics and in the Economic Institute. He served in the U.S. Maritime Service in 1945, then was a marketing manager in a Wilkes-Barre firm before returning to Penn State as assistant professor of economics. In 1965, he was appointed assistant to the dean of the College of the Liberal Arts and earlier this year was named assistant dean for student affairs.

Artists Series has music, theatre

Tickets are still available for the performance of the pop musical, "Two Gentlemen of Verona," in Rec Hall Saturday, Oct. 13, at 8:30 p.m. And tickets will go on sale to the general public next Wednesday (Oct. 17) for the appearance Saturday and Sunday, Oct. 20-21, of the noted acting couple, Hume Cronyn and Jessica Tandy. The sale of student tickets will begin Tuesday, Oct. 16, at 9 a.m. All tickets are sold in the HUB.

"Two Gentlemen of Verona" was rated a very hilarious show by the New York Times' Clive Barnes. The Joseph Papp-produced show opened on Broadway in 1974 and ran for 18 months, winning the Tony Award for "Best Musical" of 1972. Since then it has played to sellout audiences every-

where it has travelled, playing for 15 weeks in Los Angeles.

The original Shakespearean play is believed to have been written in 1592, one of the Bard's earliest. It was turned into an opera in 1820, and in 1895 its performance drew from George Bernard Shaw the commendation of "a pleasant vaudeville." So Papp's treatment of the play as a musical, adapted by Mel Shapiro and John Guare with music by the "Hair" composer, Galt MacDermitt, has plenty of precedent.

Hume Cronyn and Jessica Tandy will perform "Two by Samuel Beckett." Cronyn will present the monologue by Krapp in the play "Krapp's Last Tape," and Jessica Tandy will do "Not I."

RADICAL—

(Continued from page one)

conductor makes a more indelible impression."

The instructor's role in the 24 taped lessons is largely limited to setting up and cueing examples of behavior, and the burden of the course's content is contained in the textbook as well as in a 300-page volume which Dr. Whaley and Dr. Ziegenfuss prepared.

"The manual includes typical outlines of the lectures, sample study questions, and data from any charts or graphs used on the tapes," Dr. Whaley points out. "We have also supplied a 'back-grounder' for each lesson, a mini-textbook with a summary of some content material that provides a perspective for viewing the tapes."

The use of video tape, even in color, gives the instructors great flexibility.

"We went into a child's home, for example, and filmed a case study," Dr. Whaley continues. "The cameras were present as he dressed in the morning, watched television, attended a day care center, and got ready for bed at night. Students can see just how a particular child and his family function. Another time, we shot footage of an adoption for a few minutes after two parents had received their new baby. This kind of immediacy would be pretty hard to present in a regular classroom."

Filming was done both at Penn State and Delaware, thus allowing students access to two very different populations. Centre County's small town, rural mix was supplemented by Wilmington's blacks, school dropouts, and children who had suffered some cultural deprivation.

"Obviously, there's a great advantage in having two people involved in planning,

selecting, producing, and editing material for a course," Dr. Whaley says. "Also, it's more interesting for the students to watch and listen to two people interact. By sharing production facilities and the completed product, both universities are realizing significant economies."

The tapes have been placed on cassettes, and with the new cassette play-back machines at Penn State's Listening-Learning Centers, students can view or review any of the lessons at their leisure. Dr. Ziegenfuss successfully tried out an independent study option with the course at Delaware this summer. Students used the cassettes to fit their own schedules and took exams when they wished.

Student reaction to the course has been excellent. Dr. Whaley and Dr. Ziegenfuss prepared a pilot series which was tested at both universities. Students at Penn State,

responding to a television attitude questionnaire at the beginning of the course were very negative about televised instruction.

Half of them regarded it unfavorably. 43.1 percent were neutral, and only 6.6 percent were favorable. By the end of the course, half were favorable, 28.4 percent neutral, and the unfavorable group had dropped to 21.6 percent.

Similarly, at the beginning of the course 65.7 percent said they would prefer to take Psychology 13 as a large lecture course, and 25.7 percent opted for the television alternative. After viewing the pilot film, 72.6 percent said they would prefer the course on television, while 27.4 percent chose the lecture version.

Results at Delaware were less clear cut, since television courses are a novelty of that campus.

Funding opportunities

For more information, call 865-1327 except where noted. The following systems are available and the general information provided. People with grants information for dissemination in this column should call the same number.

October 11, 1973

- (100-1) The National Endowment for the Humanities Education Program has a January 1, 1974 deadline for its Program Grants and Institutional Development Grants. Project and Planning Grants have a Nov. 1, 1973 deadline. Program grants support broad basic humanities programs which may be interdisciplinary and systems designed to improve the effectiveness of humanities instruction. Grants may range up to \$100,000 for a three-year period. Development grants implementing the selective development of resources in the humanities as determined through planning grants and ranging between \$100,000 and \$200,000 per year for a three- to five-year period starting at 80% funding.
- (100-2) The National Science Foundation RANN program has issued a program solicitation for a "Research of Subsystems for the Application of Solar Energy to the Heating and Cooling of Buildings." Several categories of research are specified including: Solar energy col-

lectors, storage subsystems, space cooling systems, assisted heat pumps, and advanced control heating and cooling systems; also alternative approaches to SE systems, evaluation of completed buildings with SE systems, systems analysis and simulation studies, scale economies of SE heating and cooling of large buildings, and demand analysis. Total program funding is expected to be \$2.5 million for 20-30 projects ranging from a low professional man-months to five equivalent professional man-months. Proposal guidelines are available. Proposals must be received by 5 p.m. EST, Nov. 28, 1973.

(100-3) The National Endowment for the Humanities (NEH) supports a program of Youth Grants in the Humanities funding projects initiated and conducted by students and other young persons. Grants are awarded for research, writing, film, and community projects in: history, philosophy, language, linguistics, literature, archeology, jurisprudence, art history and criticism, and humanistic social sciences. Six-month projects are given preference; 15 months is the maximum grant period. Grants for individual projects are normally under \$20,000 but grants group projects may range up to \$100,000. A preliminary proposal or inquiry should be made two months before the formal application deadline. The next three formal deadlines are Nov. 15, 1972; April 15, 1973; and Aug. 1, 1974. (It is suggested that faculty pass this information along to students, undergraduate and graduate.)

(100-4) Women who wish to return to teaching "after a hiatus in their professional careers of three years or more" and who are not cur-

rently employed as a teacher or registered as a graduate student may apply for \$4000/year On-fellowship. These 1974-1975 awards will be made by the American Heart Association (Pennsylvania affiliate), P.O. Box 2435, 2743 N. Front St., Harrisburg, Pa. 17105. Application deadline is Oct. 31, 1973.

(100-4) Business and Professional Women's Foundation (2012 Massachusetts Ave., N.W. Washington, D.C. 20036, 202-293-1200) offers fellowships for men and women performing research related to working women. There is special interest in the participation of women in political life and community action, counseling of women and girls, students, vocational guidance clinics, women in management. Applicants must be U.S. citizens, doctoral candidates. Stipends range from \$500-\$3000/year. Application deadline is Jan. 1, 1974. One fellowship is open to a Latin-American currently enrolled in a U.S. Graduate School. For further information and application forms write to address given.

(100-7) Ford Foundation (320 E. 43rd Street, New York 10017) has announced its program

of fellowships for Mexican Americans, Native Americans and Puerto Ricans for 1974-75. Applicants must be U.S. citizens enrolled in or planning to enter a U.S. Graduate School in a major offering the doctorate and planning a career in higher education. Stipends are \$250/month and \$50/month per dependent child, a \$300 administrative stipend. Fellowships are for one year, but can be renewable. Graduate Record Examination scores on the Oct. 27 or Oct. 8 tests (December and Nov. 13) are required. The application deadline is Jan. 5, 1974. For further information and application forms write to address given.

REMINERS—DEADLINE DATE
Nov. 1 for NEH Project Grants and Planning Grants (Sept. 20 INTERCOM #39-3) ... Nov. 7 for USSF and Eastern Europe exchange visits (Sept. 20 INTERCOM #39-3) ... Nov. 30 (extended) for NSF Undergraduate Research Participation and NSF Secondary School Student Teacher Training program; and Nov. 30 for NSF Student Originator program (Sept. 6 INTERCOM #39-3) ... Nov. 19 for NEH Research Grants (Sept. 20 INTERCOM #39-4) ... Oct. 1 for NHL Pulmonary Research Grants and NSF Engineering Research Fellowships (Sept. 27 INTERCOM #39-1 and #39-2) ... Jan. 11 for Opt. Internat. (OVR) unsolicited research proposals (Sept. 20 INTERCOM #39-1).

University Calendar

October 11-21, 1973

Special Events

Friday, Oct. 12 — Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.
Friday, Oct. 12 — Sports: Freshman Football vs. Delaware, 3 p.m.
Friday, Oct. 12 — Young Socialists, special event, 7-12 p.m., HUB ballroom.
Saturday, Oct. 13 — Artists Series, "Two Gentlemen of Verona," 8:30 p.m., Rec Hall.
Saturday, Oct. 13 — Sports: Women's golf vs. SUNY-Buffalo, 10 a.m. Football vs. Army, 1:30 p.m., Beaver Stadium.
Saturday, Oct. 13 — WHRA Record Hop, 8 p.m., HUB ballroom.
Sunday, Oct. 14 — Raymond Brown, voice recital, 3:30 p.m., Music Bldg. recital hall.
Sunday, Oct. 14 — Chapel Service, 11 a.m., Eisenhower Chapel. Donald A. Webb, Methodist Theological School in Ohio.

Seminars

Thursday, Oct. 11 — Engineering Acoustics, 4 p.m., Room 71 Willard. Dr. John C. Snow, on "Isolation and Absorption of Machinery Vibration."
Thursday, Oct. 11 — Computer Science, 4 p.m., Room 101 Althouse. M. R. Garey, Bell Laboratories, New Jersey, on "Bounds on Scheduling with Limited Resources."
Thursday, Oct. 11 — Physics, 3:35 p.m., Room 117 Osmond. Robert Gomer, University of Chicago, on "Recent Developments in Surface Physics."
Thursday, Oct. 11 — Chemistry, 12:45 p.m., Room 310 Whitmore. W. E. Billups, Rice University, on "Thermal Hydrocarbon Rearrangements."
Thursday, Oct. 11 — Agronomy, 3:55 p.m., Room 301 AB Agri. Adm. R. M. Leach, poultry science, on "Heavy Metals and the Food Chain."
Thursday, Oct. 11 — Slave and Soviet Language and Area Center, 3 p.m., Room 132 Electrical Engineering East. John P. Gunneman, religious studies, on "Marxism and the Problem of Evil."

Meetings

Monday, Oct. 15 — Panel Council, 6:30 p.m., Delta Zeta, Heister.
Monday, Oct. 15 — USG-Senate, 7:30-10:45 p.m., HUB assembly room.
Monday, Oct. 15 — OTIS, 6:30-7:30 p.m., HUB assembly room.
Monday, Oct. 15 — College of Education Student Council, 7-8:30 p.m., Room 317 Boucke.
Tuesday, Oct. 16 — ARHS, 7:30-9:30 p.m., Room 203 HUB.
Wednesday, Oct. 17 — A.W.S., 7 p.m., Room 203 HUB.
Wednesday, Oct. 17 — Graduate Council, 3 p.m., Room 101 Kern.
Thursday, Oct. 18 — USG Academic Assembly, 7:30-9 p.m., Room 203 HUB.
Thursday, Oct. 18 — Penn State Chapter of American Association of University Professors, 8 p.m., Room 112 Kern. Discussion of collective bargaining; open to general faculty.

Exhibits

Museum of Art — Three Swiss Painters. Daily showing at 2 and 4 p.m. of half-hour film on Cuno Amiet.
Zoller Gallery, Visual Arts — Stillman and Albers, through Oct. 12. Super Mud '73, opens Oct. 15.
Kern Gallery — June Stoner, acrylics, through Oct. 13. Marilyn Dwyer, palette knife, through Oct. 20. DuWayne Millies, photography, opens Oct. 14. John Dorish, watercolors, opens Oct. 21. African trade bead jewelry by Selma Brande.
Pattee Library, Arts lobby — 10 Eastern European Prints, through Oct. 16. Main lobby — Display of Esperanto materials.
Chambers Gallery — Larry Duran, ceramics. Frank Tillman, paintings and drawings.

Official

Saturday, Oct. 13 — Last date for a December graduate to deliver Master's Thesis or Paper to adviser.
Saturday, Oct. 13 — Last date for final doctoral examinations for December graduates.

Sunday, Oct. 14 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.
Monday, Oct. 15 — First meeting, women's varsity basketball team, 6:30 p.m., White.
Tuesday, Oct. 16 — First meeting, women's varsity bowling team, 3 p.m., Rec Hall lanes.
Tuesday, Oct. 16 — First meeting, women's varsity rifle team, 6:30 p.m., White.
Wednesday, Oct. 17 — Karen Cain, voice recital, 8:30 p.m., Music Bldg. recital hall.
Thursday-Saturday, Oct. 18-20 — University Theatre, "Amorous Flea," 8 p.m., Pavilion.
Friday, Oct. 19 — Sports: Women's field hockey vs. SUNY-Cortland, 3 p.m., two games; Soccer vs. Maryland, 7 p.m.
Friday, Oct. 19 — Folk and Square Dance Roundup, 7:30-9 p.m., North Gym, White.
Friday, Oct. 19 — Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

Friday, Oct. 19 — Free-U, jammy, 7:30-11:30 p.m., HUB ballroom.
Saturday, Oct. 20 — Sports: Cross Country vs. Georgetown and William and Mary; Rugby vs. Philadelphia, 2 p.m.
Saturday-Sunday, Oct. 20-21 — Artists Series, Samuel Beckett's "Kropp's Last Tape," and "Not I," with Hume Cronyn, Jessica Tandy, 8:30 p.m., Schwab.
Saturday, Oct. 20 — Casino Night, sponsored by OTIS to benefit Centre County United Way, 7-12 p.m., HUB card room.
Sunday, Oct. 21 — Chapel Service, 11 a.m., Reverend Donald Davis, United Campus Ministry, Eisenhower Chapel.
Sunday, Oct. 21 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.
Sunday, Oct. 21 — Sports: Rugby, vs. Pittsburgh Law, 2 p.m.

Films

Thursday, Oct. 11 — International Films, 7 and 9 p.m., HUB assembly room. "Alpha-ville," directed by Jean-Luc Godard.
Friday-Saturday, Oct. 12-13 — Student SF films, 7 and 9 p.m., HUB assembly room. "The Thing."
Wednesday, Oct. 17 — Commonsplace Theatre, 8 and 10 p.m., Room 112 Kern. "All the Kings Men."
Thursday, Oct. 18 — International Films, 7 and 9 p.m., HUB assembly room. "Kanal," directed by Adreaz Wajda.
Friday-Saturday, Oct. 19-20 — Student SF films, 7 and 9 p.m., HUB assembly room. "The Come Muijny."
Saturday, Oct. 20 — Free-U children's films, 12:30-5:30 p.m., HUB assembly room.

Friday, Oct. 12 — Ceramic Science, 4 p.m., Room 244 Deike. Dr. Barry Koepeke, Honeywell.
Friday, Oct. 12 — Physical Chemistry, 4 p.m., Room 310 Whitmore. T. M. Mayer on "Ionic Reactions in Methyl Silane."
Monday, Oct. 15 — Entomology, 4 p.m., Room 204 Patterson. Andrew Zettie on "The Fate of 10-Sulfur Dioxide in 'Trichoplusia' N. Larvae: Interactions in the Hemolymph."
Monday, Oct. 15 — Analytical Chemistry, 1 p.m., Room 310 Whitmore. William Brugger on "Chemical Investigations into Odo."
Monday, Oct. 15 — Genetics, 3:55 p.m., Room 111 Tyson. Dr. Alan Long on "Genetic Control of Feeder Root Formation and Mycorrhizal Development in Lobelia Pine."
Monday-Tuesday, Oct. 15-16 — Biochemistry, 11:10 a.m., Room 101 Althouse. P. H. Maurer, Jefferson Medical College, on "The Use of Synthetic Polymers of Amino Acids to Study Genetic Control of the Immune Response."
Tuesday, Oct. 16 — Chemical Engineering, 4 p.m., Room 140 Fenske Lab. John Stellmack, on "Speleology."

Tuesday, Oct. 16 — Physics Solid State, 1 p.m., Room 339 Davey. Dr. Stephen Fonash, engineering science, on "Role of Interfaces in Determining the Electrical Properties of Metal-Insulator-Metal Junctions."
Tuesday, Oct. 16 — Geosciences, 4 p.m., Room 26 M.S. Walter B. Weiner, psychology, on "Methodology of Scientific Research."
Tuesday, Oct. 16 — Engineering Mechanics, 4 p.m., Room 215 Hammond. Dr. Bruce Samond, Naval Underwater Systems Center, Newport, RI, on "Steady State Plate Vibration in a Coupled Acoustical Field."
Tuesday, Oct. 16 — Comparative Literature Luncheon, 12:15 p.m., HUB Dining Room A. Bruce Rosenberg.
Wednesday, Oct. 17 — Ceramic Science, 4 p.m., Room 244 Deike. Dr. John Answorth, Bethlehem Steel.
Thursday, Oct. 18 — Chemistry, 12:45 p.m., Room 310 Whitmore. Benjamin Ward, Cornell University on "Stochastic Models in Chemical Reaction Kinetics."
Thursday, Oct. 18 — Physics, 3:35 p.m., Room 117 Osmond. Harold J. Melcalf, State University of New York at Stony

Brook, on "Experiments with Tunable Diode Lasers."
Thursday, Oct. 18 — Agronomy, 3:55 p.m., Room 301 AB Agri. Adm. D. J. Epp, resource economics, on "Economic Trade-Offs for Environmental Quality."
Thursday, Oct. 18 — Archaeology, 3 p.m., Room 101 Kern. Dr. Joseph Michels, anthropology, "Archaeological Research in Ethiopia."
Friday, Oct. 19 — Earth and Mineral Sciences, 3:45 p.m., Room 26 M.S. Dr. K. Vedam, Materials Research Lab and physics, on "Characterization of Real Surfaces — A Survey of the State of the Art."

Interest Groups

Alpha Phi Omega, Mondays, 7 p.m., Room 308 Boucke.
Archery Club, Mondays, Wednesdays, Thursdays, 7 p.m., Room 33 White.
Chess Club, Wednesdays, 6:30 p.m., HUB card room.
Chess Team, Thursdays, 6:30-11 p.m., Room 106 Sackett.
Coeq Gymnastics Club, Mondays, 7:30 p.m., Rec Hall South Gym; Thursdays, 7:30 p.m., White gymnastics room.
Eco-Action, Mondays, 8:30 p.m., Room 301 Boucke.
Focus on Sweden, Tuesdays, 7 p.m., Room 312 Boucke.
Free-U, Mondays, 7-9 p.m., Room 203 HUB.
Gamma Sigma Sigma, Tuesdays, 7 p.m., Room 309 Boucke.
Young Socialists, Friday, Oct. 12, 6:30 p.m., Room 303 Boucke.

German "Kaffeestunde," Thursdays, 2:30-4:30 p.m., Room 217 Burrows. Faculty and students.
Interlandia Folk Dancers, Sundays, 7:30 p.m., HUB ballroom.
Keystone Society, Wednesdays, 7-8:30 p.m., Room 304 Boucke.
S.I.M.S., Wednesdays, 8 p.m., Room 108 Forum; Thursdays, 8 p.m., Room 101 Chambers.
Squash Club, Mondays, 7 p.m., White. Informal competition.
Young Socialists, 7:30 p.m., Mondays, 8:00 Willard; Wednesdays, Room 62 Willard.
PSOC, Sailing division, 7:30 p.m., Room 214 Boucke.
Campus Gold Girl Scouts, 7 p.m., Thursday, Oct. 11 and 18, lobby of Cross Hall.
Undergraduate Political Science Association, Tuesday, Oct. 16, 6:30-9:30 p.m., Room 173 Willard.

PSOC, Equestrian division, Tuesday, Oct. 16, 7:30 p.m., Room 111 Animal Industries.
Alpha Phi Omega, Wednesday, Oct. 17, 7:30-9 p.m., HUB reading room.
Biology Society, Wednesday, Oct. 17, 7:30 p.m., Room 2, South Frear. Dr. Jim Richerson on "Sexual Behavior of Gypsy Moths."
American Welding Society, Wednesday, Oct. 17, 7:30 p.m., Room 323 Hammond. Mr. H. E. Roediger, Tektran Corp., on "A New Arc Welding Power Supply."
Penn State Amateur Radio Club, Wednesday, Oct. 17, 7:30 p.m., Room 208 Eng. Unit E.
PSOC, Ski division, 7:30 p.m., Room 121 Sparks.
PSOC, Canoe division, Thursday, Oct. 18, 7:30 p.m., Room 214 Boucke.
Folklore Society, Thursday, Oct. 18, 8 p.m., Room 101 Kern.

Lectures

Monday, Oct. 15 — Architecture, 7:30 p.m., Room 26 Mineral Sciences. Ronaldo Guigola, on "About Architecture," in conjunction with the 10th anniversary of the College of Arts and Architecture.
Tuesday, Oct. 16 — "Art and Special Education: The Therapeutic Approach," by Dr. Marianne Frostig, 2 p.m., Room 112 Kern.
Tuesday, Oct. 16 — "Imagery and How It Is Learned," by Phyllis Maslow (associate of Dr. Frostig) 7 p.m., Room 112 Chambers.
Wednesday, Oct. 17 — Classics and the Graduate School Lecture Committee, 8-9:30 p.m., HUB assembly room. Dr. Michael Grant, author and lecturer, on "Cleopatra."
Thursday, Oct. 18 — Faculty Women's Club, 9:30 a.m., HUB assembly room. Dr. Carol Cartwright and Judy Seaver, on "Parenting."



Heroines of the hit musical, "Two Gentlemen of Verona," are Rosae Wortham, who plays Silvia, and Louise Shaffer, right, who is Julia. The award-winning comedy duo of Shakespear's play will be in Rec Hall Saturday, Oct. 13, at 8:30 p.m. on the Artists Series. Tickets are currently on sale at the HUB. Following "Two Gentlemen," the Artists Series will have Hume Cronyn and Jessica Tandy, with two excerpts from Samuel Beckett plays, Saturday and Sunday, Oct. 20-21.



DEDICATION At Wilkes-Barre Campus, the new Laboratory Building, which is the first steps of the second phase of a \$5 million building program, will be dedicated Tuesday, Oct. 16, at 2 p.m. In attendance will be the first director of the Wilkes-Barre Center, Edgar J. Gealy, and his successor, Alice Kenworthy, who served from 1923 to 1935. The oldest public college in Wyoming Valley, the Campus was started a half century ago, primarily as an engineering and technical school. In the ceremonies will be Campus director George W. Blevy, William Blevy, president of the student government; Kenneth L. Holderman, vice president for Commonwealth Campuses; and Dr. Robert G. Quinn, dean of academic instruction for Commonwealth Campuses. The new building, on the campus of Lehman, Pa., will have physics, chemistry and biology labs, classrooms, a computer lab, engineering drafting room, conference room, and offices.

Super Mud '73 exhibit opens Monday

Super Mud '73, this year's edition of the Annual Student Ceramics Invitational Exhibit sponsored by the Department of Art, begins Monday, Oct. 15, in the Zollner Gallery, Visual Arts Building.

Each fall, different schools are invited to send their best pieces of student work to Penn State for the show, held in conjunction with the Annual Ceramic Arts Conference, November 2 and 3.

This year's show is an expansion of the geographic area represented by the guest schools with a West Coast Contributor among the invitees. Virginia Commonwealth University, Cranbrook Academy of Art, the University of Washington, Towson State College, and the Rochester Institute of Technology will send pieces to be shown with those of Penn State ceramics students.

NEWS—

(Continued from page one)

BROWN IN RECITAL

Raymond Brown, professor of music, will give a vocal recital of songs by Hugo Wolf, on poems by Goethe, Morierke, Eichendorff, and Michelangelo. The song recital will be held Sunday, Oct. 14, at 3:30 p.m. in the White Building recital hall. Barry Brinsmaid, assistant professor of music, will be accompanist.

KAREN CAIN SINGS

Rarely performed songs by Strauss and Mozart will be sung by Karen Cain, instructor of voice and a soprano, in a recital Wednesday, Oct. 17, at 8:30 p.m. in the Music Building recital hall. Stephen Smith will accompany.

FAGAN SCHOLARSHIP

The Scripps-Howard Foundation has provided \$1,000 to establish the Lawrence J. Fagan Scholarship Fund. Mr. Fagan, in whose honor the scholarship fund is named, was chief editor of the Pittsburgh Press for many years and a long-time admirer of Penn State.

AFRICAN BEADS

A display of African Trade Bead Jewelry by Selma Brande in the Graduate Commons

A display of top quality works is insured by the advance jurying of the guest schools to select the pieces to be sent. Each school will send six works for exhibit. Super Mud '73 culminates in the two-day conference, which features three internationally known guest artists who will present lecture-demonstrations.

The three include Hui Ka Kwong, Rutgers University, Howard Kottler, University of Washington, and Marilyn Levine, University of Utah. Each guest lecturer is widely known and is recognized as a talented ceramic artist with a distinctive individual style.

Conference participants are encouraged to register in advance. Additional information on the two-day conference can be obtained by calling Ronald Avilion at 865-7557.

Gallery will continue through Oct. 31. A resident of Altoona, Mrs. Brande attended the Altoona Campus of the University and is presently studying privately under Kenneth Kuhl, head of the art department at the Altoona Campus.

ALTOONA FINE ARTS

A scholarship fund has been established by the Altoona Campus Fine Arts Club to honor students in creative writing, drama, music, speech and art at the Altoona Campus. The annual award of \$500 will be made to those with a 3.0 average who have demonstrated skills in their fields, actively supported the arts among students, contributed their arts to the Campus, and contributed to the artistic environment of the Altoona area.

ART EDUCATION

A noted speech educator, Dr. Marianne Frostig, founder of the Center for Educational Therapy, Los Angeles, Calif., will speak Tuesday, Oct. 16, on "Art and Special Education: The Therapeutic Approach," at 2 p.m. in Room 112 Kern. Her associate, Mrs. Phyllis Maslow, will discuss "Imagery and How It Is Learned" at 7 p.m. the same day, in Room 112 Chambers Building. The departments of art education and special education are sponsoring the talks.

and systems analysis for offices of the Division. Review and initiate new procedures and systems. A Bachelor's degree or equivalent and at least two years of experience, preferably in systems analysis or records management, and a familiarity with data processing equipment and techniques are preferred.

PROFESSIONAL BILLING SUPERVISOR

Responsible to the Assistant Manager of Business for the supervision and direction of the Professional Billing Unit. Minimum of 10 years of experience in billing operations and at least four year related experience are preferred.

SUPERVISORS, AUXILIARY ENTERPRISES

Responsible to the Campus Business Manager for the total bookstore operations; for handling a high quality, efficiently run food vending operation; for the coordination and direction of Student Union Building auxiliary areas. An associate degree or equivalent to two years of college level training, plus at least four years of effective bookstore and/or college student union experience are preferred.

PERSONNEL AND TRAINING ASSISTANT

Responsible to the Director of Human Resources and Food Service Operations.

Responsible to the Manager of Personnel and Training, Housing and Food Services, for administering and coordinating the payroll, job classification programs, safety, and sanitation programs, as well as assisting and developing training and public

INTEREST—

(Continued from page one)

ings are scheduled for later this Fall to try and formulate guidelines or regulations to deal with the situation."

Penn State has begun to notice a decided upswing in interest and applications from female high school athletes.

"One thing we make clear," Miss Durant says, "is that we are interested first in the total education of our women athletes and second in their participation in intercollegiate athletics. I don't think competition should ever be put first, or we'll lose sight of the goals we're here to instill."

Last year, Miss Durant did a study to see what happened to the grade point averages of the some 200 women athletes on Penn State's varsity teams during their competitive seasons. Fifty nine percent of the women maintained the same cumulative average or got a higher one. Only two percent wound up with deferred grades or incompletes during their period of competition. The average for the group was 3.01 during competition; 2.95 before.

Fencers. Miss Durant found, had the highest cumulative average—3.23. Golfers scored 3.22, and the field hockey team, 3.18.

Interested in sports for as far back as she can remember, Miss Durant personally enjoys swimming and tennis, and she is also an enthusiastic spectator at all team events. Teaching, for her, is not a chore, at any level. For years, she worked with children in the special swimming and recreation classes at White Building, and she supervises classes in the required physical ed program along with those for majors.

"I think," she says reflectively, "that I must have made the right choice when I switched my major in language."

Employment office seeks student jobs

Got a job? The Student Employment Office is interested in hearing about it. The office, under the direction of newly appointed coordinator, Benson M. Lichtig, is seeking to increase part-time student job opportunities within the University.

"We would like more people in the University to contact us with job openings related to their individual responsibilities within the University," Lichtig said.

"University jobs are most convenient for students," Lichtig noted. "The jobs are more closely related to student interest,

Library notes

CALCULATOR AVAILABLE

A calculator is now available for use in the Pellet-Scott Undergraduate Library. Students may charge out the calculator at the circulation desk upon presentation of their student identification card. Pellet-Scott Library has two calculators available for public use in the Documents Area, 2nd floor Central Palace. Pellet-Scott Undergraduate Library is open during the term from 9:00 a.m. to midnight, Monday through Friday, from 9:00 a.m. to 5:00 p.m. on Saturday, and from 1:00 p.m. to midnight on Sunday.

UNIVERSITY LIBRARIES OPEN LISTENING SERVICE

A music cassette listening service is now available in the Library located on the Fourth floor of East Palace. The collection contains chiefly classical music in the Western tradition and jazz. As materials are catalogued, the collection will expand to about 800 cassette tapes. During the first weeks all cassette collections, whether or not catalogued will be available upon request at the service desk in the Arts Library. Valid identification will be required for all users for the collection. Listening hours will be Friday, 1:30 p.m. to 9:30 p.m.; Saturday, 1:00 p.m. to 5:00 p.m.

WINTER TERM RESERVE LISTS

Reserve reading lists for Winter Term, 1974, are to be submitted to the Main Undergraduate Library on or before October 22, to allow time for processing the lists. Lists received after the deadline will be accepted only if material requested is not needed until the beginning of the third week of classes. The October 22 deadline requires a reasonable amount of time to order books and to prepare available materials for reserve use. Only required readings, which will circulate either for a two-hour period or for overnight loan periods, will be placed on reserve. Lists should be submitted on reserve forms which are available upon request from the Undergraduate Library, West Palace. Lists should be typewritten and contain full bibliographic information, including the author's full name, title, publisher and the date of publication.

Employment office seeks student jobs

and often the hours are more flexible and fit well into student schedules."

On one day last month, the Student Employment Office had 80 jobs posted. Of that number, 10 were on campus and 70 off campus.

Because of a cutback of some financial aid programs, Lichtig said there is more demand for part-time jobs this year.

Interested staff members having job openings are urged to contact the Student Employment Office, 308 Grange Building, 863-0336.

WPSX highlights

Thursday, Oct. 11: George Michael and his guests examine audio restorations on "Aniques" at 6:30 p.m. At 8 p.m. the Senate Watergate Hearings.

Friday, Oct. 12: At 7:30 p.m. "People, Places, Things, Now" looks at "A Prison Within Walls." At 8:30 p.m. Louis Rukavaya and his panel of stock market experts on "Wall Street Week" examine the possibility of inflation as a continuing phenomenon.

Saturday, Oct. 13: "Sports '80" premieres at 6:30 p.m. with coverage of the 1973 Women's Interscholastic Gymnastics Championships. "E-sense," Frederick Wymann's documentary about an Anglican monastery, explores the changes threatened by monastic life at 8:30 p.m.

Sunday, Oct. 14: At 6 p.m. the Alard String Quartet performs three string quartets by Mozart in

the second program of "The Classical Shift Quartet." William F. Buckley, Jr. talks with Sir Alec Douglas-Home on "Firing Line" at 8 p.m.

Monday, Oct. 15: At 8 p.m., "The PBS Special of the Week" presents "The Mystery of Melville," a documentary about the work of Dr. Raymond W. Bialek and his staff, who are using a computer to piece together the tomb of Egyptian queen Nefertiti. "The Penn Central Can't Wait" examines the subject matter of transportation economists, railroad experts, and city representatives meet on "Overview" at 9:30 p.m.

Tuesday, Oct. 16: At 7:30 p.m. "The Business Writing" premieres with television instruction on how to improve communications skills in business letters.

Wednesday, Oct. 17: At 7:00 p.m. on "TV Out Loud" Jack Buckley and his panel of commentators Fran Fisher and Jim Tarmun review and analyze Penn State's game with Army.

Responsible for studying the concept of adult education, establishing and implementing a fully-satisfying academic information system for all advisors and policies and procedures within the program for recruiting, training and supervising academic consultants. Candidates must have a Ph.D. and at least four years of related experience, or an M.S. and at least six years of experience in related academic programs, advising of information systems.

COORDINATOR, OFFICE OF SECONDARY SCHOOL RELATIONS STUDENT AFFAIRS

Under the direction of the Vice President of Student Affairs and with the advice of a University coordinating (advisory) council for the information and recruitment system for prospective students, the coordinator will plan, coordinate and supervise the University effort to inform, attract and interest all prospective students. This position will serve as a communication link between the University academic and administrative divisions involved with prospective students. A Master's degree, equivalent experience in planning, recruiting, communications, or higher education with at least four to five years of effective University level experience which includes recruitment and promotion and development, student recruitment, orientation, supervision and administration.

Staff vacancies

To make application for the vacancies listed below call 865-1387 (Network 405-1387) no later than:

5 p.m. Thursday, Oct. 18, 1973 ASSISTANT TO THE ASSISTANT VICE PRESIDENT FOR BUSINESS SERVICES

Responsible for assisting in the efficient and effective operations of the various organizations of the department and for assistance in maintaining accounting records and controls over the various departments in Business Services. A college degree or equivalent and at least four years of administrative experience are preferred.

CLASSIFICATION ANALYST

OFFICE OF PERSONNEL ADMINISTRATION University Park

Responsible for implementing the wage and salary plans of the University, writing job descriptions, and evaluating substantiating data for salary grade. A Bachelor's degree or equivalent, preferably with course work in Personnel Administration or Industrial Engineering. At least two years of administrative experience necessary.

ASSISTANT TO THE DIRECTOR, DIVISION OF ADMISSIONS, RECORDS AND SCHEDULING

University Park Responsible for providing planning assistance

PENN STATE intercom

Volume 3, Number 7

October 18, 1973

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

News in brief

HUB CANDLELIGHT

A special Candlelight Dinner will be held in the HUB Terrace Room Wednesday, Oct. 21, Halloween night. The menu will feature beef stroganoff, roast turkey with dressing, Salisbury steak with mushrooms, veal Cordon Bleu, and baked stuffed potatoes. Witches' brew will be served, and the feature pastry will be pumpkin raisin muffin. Service at the Terrace Room is from 5 to 6:45 p.m.

BUSINESS ADM. STUDY

The College of Business Administration will sponsor a study abroad program in Lima, Peru, for the Spring Term 1974. This program will be open to students who will be of senior standing in the Spring Term.

Additional requirements are an all-University average of at least 2.50 and the completion of the "core" requirements of the Business Administration curriculum.

Students desiring further information about the program should attend the organizational meeting to be held Tuesday, October 23, 1973, at 4:00 p.m. in the H.U.B. assembly room.

FENCING CLUB

An organizational meeting of the Nittany Fencing Club, which is open to faculty, staff and students, will be held Sunday, Oct. 28, at 7 p.m. in Room 134 White Building. The Club is being developed by experienced fencers with the hope of providing competition and fun for those who have never tried fencing as well as those who have previously had instruction and experience. Eventually, it is the goal of those promoting the Club to seek mem-

bership in the Amateur Fencers League of America, and also to provide additional competition with clubs elsewhere. Equipment will be made available, as will instruction given by those who have had instruction themselves previously.

VETERANS VISITING

Eleven disabled veterans will visit the University next week as guests of the Penn State Veteran Organization; all college-age, they are members of the Pittsburgh chapter of the Disabled Veterans Association. They will meet with faculty, administrators, and other veterans and attend various social events, including the Penn State-West Virginia football game.

FAYETTE SCHOLARSHIP

A scholarship fund has been established at the Fayette Campus by the family of O. C. Cluss, as a memorial to the Un-

(Continued on page two)

Communications:

(The following telegram was received in the Office of the President Oct. 8.)

A suggested proposal for new administrative structure to implement provisions of the Academic Policy Plan regarding the Commonwealth Campuses being presented by your staff raises serious legal questions concerning the University's sworn testimony before the PLRB. Since the testimony and the proposal plan seem to be in direct conflict, we demand immediate clarification of your position and ask that you meet with representatives of our organization in participation with the PLRB within the next two weeks.

Jacqueline Zemel

(A reply to the telegram above was given by Dr. R. E. Larson, Provost of the University, on Oct. 12.)

Mrs. Jacqueline Zemel
Assistant Professor of Mathematics
Opontz Campus
The Pennsylvania State University
Abington, Pennsylvania 19001

Dear Mrs. Zemel:

Reference is made to your telegram of October 8, 1973, addressed to President John W. Oswald concerning the "Proposal for New Administrative Structures to Implement Provisions of the Academic Policy Plan Relating to Commonwealth Campuses."

At the present time, this is a proposal and not an established policy. The decision concerning the proposal shall be decided following complete faculty review, to determine whether the faculty considers it to be in their best interests. In our opinion, the establishment of such a proposal as policy would not alter the appropriateness of one bargaining unit for all University faculty or the decision of the Pennsylvania Labor Relations Board. We see no labor to be gained in a meeting with your organization and the PLRB.

Very truly yours,
R. E. Larson
Provost

Buck is named rights chairman

Dr. Roy C. Buck has been named chairman of the newly formed Faculty Senate Committee on Faculty Rights and Responsibilities.

Dr. Richard C. Craig is committee vice chairman and Dr. E-Tu Sun is secretary.

The committee presently is developing standing rules. Any inquiries should be made of Dr. Buck at his office, 308 Liberal Arts Bldg., or his home, 115 LeNor Dr., State College.

Film series

"But Where Will the Earth Land?" a series of educational films about the environment and man's interaction with it, will be previewed Thursday, October 18, at 3:00 p.m. in Kern Graduate Building Auditorium.

The series was produced by the Division of Broadcasting in Continuing Education at the University for the Pennsylvania Department of Education. It is designed for use in junior high school classrooms around the state.

All interested University staff are invited to attend the preview.

United Way drive at half-way

One hundred per cent response was what United Way campaign officials hoped for from the University community and, at the campaign's half-way point, they're half way to realizing that goal.

Dean James Bartoo, University division chairman for the campaign, said that Penn State giving is far ahead of the other divisions at this point with more than \$24,000 contributed to date. "Since the University is the County's No. 1 employer, we had hoped it would be the No. 1 contributor, and it looks like we might reach that goal too," the Dean said.

He issued a reminder to faculty and

staff who have not yet responded and said that those who did not receive contribution cards and campaign literature (persons new to the University payroll since Aug. 31) may obtain them from United Way subcommittee or at the campaign office, 336 S. Fracker St., State College.

President Oswald last month endorsed participation by staff and faculty members at the various campuses in the local efforts — through United Fund, Community Chest or similar organizations — to raise funds for community service purposes, and authorized the use of payroll deductions for such contributions.

Senate acts on adjunct rule

Action taken at the Oct. 16 University Senate meeting, during which President Oswald discussed faculty and staff salary increases, included approval of a rule change lowering the grade point average and credit hours required for students transferring from adjunct to degree candidacy status. (Ed. Note: President Oswald's remarks are printed on Page 4 of this issue of INTERCOM.)

Under the new rule, an adjunct student, with the approval of the appropriate college dean, may be admitted to a bachelor's degree program without fulfilling regular secondary school requirements if he has

at least 18 credit hours of courses with at least a 2.0 grade point average.

The Senate received an informational report from its Intra-University Relations Committee and a status report from the Ad Hoc Committee to Study the Implications of Collective Bargaining for Faculty Governance.

The seven page report on collective bargaining was developed by the group's subcommittee on governance. In presenting the report, Dr. Roy C. Buck, subcommittee chairman, said it was not intended to take sides, but designed to increase debate about the University community.

Advisory committee established to aid

Public administration institute made separate unit

The newly appointed Advisory Committee to the Institute of Public Administration will meet Friday, Oct. 19, marking the establishment of the Institute as a separate research, academic, and public service unit in the College of the Liberal Arts.

The Advisory Committee, which was appointed by College Dean Stanley F. Paulson, includes two public members and seven from within the University, according to Dr. Robert J. Mowitz, Institute director and professor of public administration.

"Because of the changing role and mission of the Institute, it was decided that such a committee would be helpful to the director and his staff in providing advice on research and educational policies," Dr. Mowitz points out.

Members are: Joseph W. Barr, Jr., di-

rector, Community Development Services, Pennsylvania League of Cities; John Ingram, director, State Division, Pennsylvania Economy League; Theodore R. Vallance, associate dean, research and graduate study, College of Human Development; Thomas F. Magner, associate dean, research and graduate study, College of the Liberal Arts.

Also: Cyril F. Hager, associate dean, continuing education, Liberal Arts; Paul H. Rigby, director, Center for Research, assistant dean for research, College of Business Administration; Ruth C. Silva, professor of political science; Monroe Newman, professor of economics; and Roy C. Buck, professor of sociology.

The Institute grew out of an Institute of Local Government which existed at

Penn State from 1935 to 1959. Dr. Mowitz explains. It offers a Master of Public Administration degree program for students preparing to enter public service.

This program, which between 1960 and 1965 graduated about six students a year, now has an average class size of 65.

The Institute's research emphasis has contributed to the development of new management technologies for the Commonwealth and local governments within the State, according to Dr. Mowitz. It has also expanded in scope to include comparative studies of American and foreign urban administrative systems.

In the area of public service, the Institute runs executive developing training programs for top level state officials and selected conferences of national interest.

Faculty women

The Faculty Women's Club will help celebrate the 50th anniversary of the College of Education in a seminar lecture series and lecture luncheon to be held three consecutive Thursdays this fall beginning today (Oct. 18).

The seminar lectures will be held October 18 and October 25 from 9:30 to 11:00 a.m. in the Hetzel Union Building assembly room. The luncheon lecture will be held November 1 from 12:30 to 2:00 p.m. in dining rooms, A, B, C in the Hetzel Union Building.

With education as the theme for the series, "Parenting" will be the topic of the first seminar lecture. Dr. Carol Cartwright, associate professor of education, and Mrs. Judy Seaver, Ph.D. candidate, College of Education, will discuss different aspects of this topic.

The second seminar lecture will feature a panel discussion on "Alternative Schools: What Does That Mean for State College?" Dr. Mary Dupuis, assistant professor of education, will be the moderator. Her panel will be Theodore First, Edward Fry, Dr. Daryl Hesley and William Keough.

Dr. James W. Kelz, professor of education, will consider the topic "Hear What I'm Saying — Please," at the luncheon lecture.

Everyone is invited to attend the series. Reservations for the luncheon lecture can be made with Mrs. Marilynne Hollis at 466-7397.

D.E.H.Frear dies pesticides pioneer

Dr. Donald E. H. Frear, 67, professor emeritus of chemical pesticides, and a pioneer in the field of chemical pesticides, died Oct. 11. He retired from the University on Jan. 1, 1969, following 38 years on the faculty. He was director of the Pesticides Research Laboratory and Graduate Study Center at the time of his retirement.

Internationally recognized as an authority on the chemistry of pesticides, Dr. Frear authored the first book published in the United States on this subject. He is also the author of 32 books and more than 125 articles in the field of chemical pesticides. And he served for more than 20 years as editor of an annual publication, "The Pesticide Handbook," which he originated.

Dr. Frear was honored in 1961 with an award for distinguished service from the Food Law Institute. He was an original member of the Food Protection Committee and served for five years as chairman of its chemical subcommittee.

Dr. Frear began his association with Penn State as an undergraduate, receiving the bachelor of science degree in 1926. He received the master of science degree from the University of New Hampshire and returned to Penn State to earn the doctor of philosophy degree. His first teaching appointment at the University was as instructor in the department of animal nutrition. His career continued in the department of agricultural and biological chemistry, and when the colleges and departments were restructured within the University, he became professor of chemical pesticides in the Department of Entomology.

Honors

Dr. Paul B. Baltes, director of the Division of Individual and Family Studies in the College of Human Development, has been elected a Fellow of the American Psychological Association. His election was in the Division of Developmental Psychology and Adult Development and Aging.

Appointments

Slvka Bogdan Marinkovic, as visiting scientist, Materials Research Laboratory. She is scientific collaborator on vacuum-deposited thin films, Institute of Physics, Belgrade, Yugoslavia. Her current research concerns optical and electrical properties relationships. Her husband, Dr. Slobodan Marinkovic, is doing post-doctoral research in the department of material sciences.

Chaim Wardi, as visiting professor of studies for the Fall, Winter and Spring terms. He has been teaching church history at Tel Aviv University, in Israel, and previously taught at the American Institute of Holy Land Studies, in Jerusalem.

Dr. Lee C. Wensel, as adjunct professor of statistics, for 1973-74. He has been at the University of Minnesota School of Forestry since 1964, teaching forest mensuration and advising staff and students on statistical and computational aspects of research problems. He is a 1962 Penn State graduate, receiving advanced degrees from Purdue and Minnesota universities.

Staff vacancies

To make application for the vacancies listed below call 865-1387 (Network 465-1387) no later than:

5 p.m. Thursday, Nov. 1, 1973

BOOKSTORE MANAGER

Worthington Scranton Campus
Responsible to the Campus Business Manager for the purchasing, merchandising, financial and retail operations of the Scranton Campus Bookstore. An Associate degree or equivalent to two years of college plus training with over two years of related experience, or high school graduate with two years of business school plus four years of related experience are preferred.

INSTRUCTIONAL PROGRAM SPECIALIST

COLLEGE OF MEDICINE
Hershey Medical Center
Responsible for preparing and conducting videotape training workshops, to include working with faculty to identify proper case examples and assist in conducting field testing of program materials. A Bachelor's degree, preferably in the Behavioral Sciences, or equivalent, and at least one year of experience in preparing instructional materials.

PHARMACEUTICAL COLLEGE OF MEDICINE

Hershey Medical Center
Responsible for the performance of pharmaceutical functions of dispensing, extemporaneous compounding, providing drug information to physicians, students, nurses and patients. A Bachelor's degree in Pharmacy and at least two years of related experience are desired. Pennsylvania registration is required.

RESEARCH AIDE

COLLEGE OF SCIENCE
University Park
Responsible for preparation of chemical solutions and cell culture growth media, maintenance and recordkeeping on virus and plant tissue stocks, work with Herpes simplex virus and its mutants. A Bachelor's degree and at least one year of related laboratory experience are preferred.

Funding opportunities

For more information, call 865-1372 except where noted below, and refer to the item by its number and the general information provided. People with grants information for dissemination in this column should call the same number.

(101-1) **Maternal and Child Health Training Institutional Project Grants** are funded by the Health Services and Mental Health Administration (HSMHA) at OHEW. These grants will advance the training of professionals working in university-affiliated mental retardation centers and will cover costs of faculty, traineeships, services, clinical facilities, and short term workshops and institutes. Grants range from \$50,000 to \$1,000,000 and average \$450,000. The next annual application deadline is Oct. 1, 1973. Contact is Mrs. Gloria Wackernoh, Chief Grants Management Officer, Division of Research Health Services Improvement, Maternal and Child Health Services, 56 Fisher Lane, Rockville, Maryland 20852 (301)443-2160.

(101-2) **October 15, 1973 is the annual deadline for the Office of Education, Early Education Program** consisting of the **Handicapped Children Early Education Demonstration Program** and the **Child Service Demonstration Program** (Learning Disabilities). Experimental preschool and early childhood programs for handicapped children are supported. Parent participation, dissemination of information, the professional competence of staff in general public, and project effectiveness evaluation are included as project objectives. Contact is Miss Jane de Weerd, Coordinator, Early Education Program, Division of Educational Services, Bureau of Education for the Handicapped, Office of Education, Room 2016, Regional Office Building, 400 Maryland Avenue, S.W., Washington, O.C. 20002 (202)927-7011.

(101-3) **A new health agency, the Alcohol, Drug Abuse, and Mental Health Administration (ADAMHA)** has become the sixth PHS agency. It is the third largest with a \$600 million budget for its three institutes: National Institute on Alcohol Abuse and Alcoholism (Dr. Morris Chazet, head); National Institute on Drug Abuse (Dr. Barbara Brown, head); and the new National Institute of Drug Abuse (Dr. Robert O'Neil, head). There is information on this socio-medical program will be released. Research inquiries are invited.

(101-4) **National Institute of Education** spending will be guided by percentage limitations established by the National Council of Educational Research. These guidelines are as follows: 10-15 percent to expand knowledge about education, including research grants programs; 10-20 percent to strengthen the research and development system; and 65-80 percent to advance the practice of American education. In all three areas, 3-5 percent of funds will be available for unsolicited proposals. Contacts are available for application to NIE.

Fellowships
(101-5) **Predoctoral or postdoctoral candidates wishing to conduct research in Africa and the Middle East** may apply to the Ford Foundation for 9 to 12-month grants that include transportation, travel, maintenance and dependency allowances. The Foundation is interested in field research in agriculture, business administration, public administration, demography, economics, educational planning, nutrition, rural sociology, and urbanization studies. Grants are as follows: 10-15 percent to expand knowledge about education, including research grants programs; 10-20 percent to strengthen the research and development system; and 65-80 percent to advance the practice of American education. In all three areas, 3-5 percent of funds will be available for unsolicited proposals. Contacts are available for application to NIE.

(101-6) **Predocetor and postdoctoral researchers who wish to study social change in Latin America and the Caribbean** may apply to the Inter-American Foundation. Applicants will affiliate with a native institution and must speak the local language. Maintenance, travel, and dependency allowances are furnished; application deadline is Oct. 1, 1973. The Foundation's address is 1515 Wilson Blvd., Rosslyn, Va. 22209.

REMEMINDERS—DEADLINE OCTOBER 15, 1973
Nov. 15 for NSF Research Grants (NSF 20 INTERCOM #98-4) ... Nov. 28 (received) for NSF/RANN Research-Solar Energy-Heating & Cooling Units (Oct. 11 INTERCOM #100-2) ... Oct. 1 for NEH Pulmonary Research Grants (Oct. 11 INTERCOM #100-1) ... Oct. 1 for NSF Engineering Research Initiation Grants (Sept. 27 INTERCOM #99-1 and #99-3) ... Dec. 7 (extended) for NSF Undergraduate Research Participation, NSF Secondary School Science Teaching Program, and NSF Student Originated Studies Program (Sept. 6 INTERCOM #96-3) ... Jan. 1 for NEH Research and Development Grants (Oct. 11 INTERCOM #100-1) ... Jan. 11 for Dept. Interior (OVR) unsolicited research proposals (Sept. 20 INTERCOM #98-1).

TIAA-CREF now has withdrawal plan

The Teachers Insurance and Annuity Association of New York (TIAA) is now offering a new feature in its tax-deferred annuity program effective October 1, 1973.

The new contract, known as the Supplemental Retirement Annuities (SRA), is the same as the current TIAA-CREF program except that it permits a faculty or staff member to withdraw the entire cash value of the annuity at any time. This option is already a feature of the tax-deferred annuity plan provided to faculty and staff members by The Equitable Life Assurance Society.

There is a slightly higher expense charge to cover the cost of this additional feature. In TIAA, a charge of 4% (instead of 3.5%) is deducted from each premium payment to an SRA contract and in CREF, a charge of 1.75% (instead of 1.5%) is deducted from each premium payment. In all other aspects, SRA contracts have the options and flexibilities of regular TIAA-CREF annuities.

Employees who are presently participating in the purchase of a TIAA-CREF annuity may not elect to transfer past accumulated premiums to an SRA contract. They may, however, elect to discontinue payment to their present contract and enroll in the new SRA program or to participate under both programs.

Descriptive booklets and applications are available by calling or writing to the Employee Benefits Division, 133 Willard Building.



University Theatre production opens

Anophe, played by Merrill Plaskow, 11, center) plots with his two untrustworthy servants, played by Ellen Fitzgerald and Steve Woz, in a unusual comedy, "The Amorous Plaskow," at University Theatre production opening Friday, Oct. 19, at Pavilion Theatre. The three conspirators plan to trap the "impudent fool" who is wrecking Anophe's marriage plans, in the musical version of Moliere's classic French farce, "The School of Wives." The show will continue at Pavilion Theatre Oct. 20 and Oct. 23-27. Reservations may be made by calling 865-1884. (Roger Greenwald photo.)

Former Peruvian president lectures

Dr. Fernando Belaunde-Terry, former President of Peru, will deliver two public lectures during a three-day visit Tuesday through Thursday, Oct. 23-25.

"Inter-American Relations in the 70's" is the title of the talk Dr. Belaunde-Terry will give Oct. 23 at 7:30 p.m. in the Kern Bldg. Auditorium. He will speak about "Some Contemporary Urban Developments in South America" Oct. 25 at 7:30 p.m. in the Mineral Science Auditorium. The latter talk, which will be illustrated, is being presented as part of the Tenth Anniversary Celebration of the College of Arts and Architecture.

Dr. Belaunde-Terry, an architect and urban planner by profession, was invited to

the campus by the Latin American Studies Committee, with the co-sponsorship of the Department of Architecture and the Institute for the Arts and Humanistic Studies.

Dean of the Faculty of Architecture in Lima before his election to the presidency of Peru in 1963, Dr. Belaunde-Terry was overthrown by a military coup in 1968. Educated in France, the United States, and Peru, he has been variously a regional planner, promoter of public housing, author, professor, lecturer and builder.

Since the downfall of his government, he has lived in this country and has served as a visiting professor at Harvard University, Columbia, and Johns Hopkins universities.

H.D. honors alumna

Dr. Katherine B. Hall, internationally recognized educator, will be honored with the second College of Human Development Alumni Recognition Award to be presented during a program October 18-20.

Entitled "Cross-Cultural Challenges in Human Relations," the program will revolve around Dr. Hall's experiences and work in cross-cultural projects.

Dr. Hall, chairman of the department of home economics at Montclair State College, is also president of the National Council of Administrators of Home Economics and was the recent recipient of the American Home Economics Association's Inner City Fellowship. Her range of accomplishments includes: organizing SPURT (Special Program for Urban Teachers for the disadvantaged); acting as a consultant for the Agency of International Development; and working as a representative at the White House Conferences on Aging, Children and Youth, and Low Income Families.

Dr. Hall received her doctorate from Penn State in 1955, with a major in clothing and textiles and minor in home management family economics.

NEWS—

(Continued from page one)

town industrialist who was a member of the Campus Advisory Board before his death in 1971. The number of grants to be provided each will be determined by the funds available and contributions to the memorial fund are being accepted from friends and interested groups.

SHENANGO SCHOLARSHIPS

The Builders Association of Eastern Ohio and Western Pennsylvania have just approved a new scholarship program for students admitted to the Architectural Engineering Technology degree program at the Shenango Valley Campus. The Association will annually grant two scholarships in the amount of \$450.00 each. Any person within the five county area (Mahoning, Trumbull, Columbia, Mercer and Lawrence) is eligible for such awards.

RELIGIOUS EMPHASIS

The Black Church Fellowship will observe Religious Emphasis Week with activities Oct. 23, 24 and 25. Dr. Lawrence Craig, pastor of the Parkwood CME Church in Cleveland, serving as consultant for the week, will speak on the general theme "Reaching Out," each evening at 7:30 p.m. in the Black Cultural Center.

University Calendar

October 18-28, 1973

Special Events

Thursday-Saturday, Oct. 18-20 — University Theatre, "Amorous Flea," 8 p.m., Pavilion.
Friday, Oct. 19 — Sports: Women's field hockey, vs. SUNY-Cortland, 3 p.m.; two games: Soccer, vs. Maryland, 3 p.m.; Friday, Oct. 19 — Folk and Square Dance Roundup, 7:30-9 p.m., North Gym, White.
Friday, Oct. 19 — Commonsplace Coffee-house, 8 p.m., Room 102 Kern.
Friday, Oct. 19 — William Thomas, cellist, MFA student recital, 8:30 p.m., Music Bldg. recital hall.
Friday, Oct. 19 — Free-U, jammy, 7:30-11:30 p.m., HUB ballroom.
Saturday, Oct. 20 — Sports: Cross Country, vs. Georgetown and William and Mary; Rugby, vs. Philadelphia, 2 p.m.

Seminars

Thursday, Oct. 18 — Meteorology and Aerospace Engineering, 4 p.m., Room 26 Mineral Sciences, Dr. J. C. Wyngaard, Air Force Cambridge Research Laboratories, on "Model Studies of Atmospheric Boundary Layer Structure."
Thursday, Oct. 18 — Chemistry, 12:45 p.m., Room 310 Whitmore, Benjamin Whitmore, Cornell University on "Stochastic Models in Chemical Reaction Kinetics."
Thursday, Oct. 18 — Physics, 3:35 p.m., Room 117 Osmond, Harold J. Metcalf, State University of New York at Stony Brook, on "Experiments with Tunable Dye Lasers."
Thursday, Oct. 18 — Agronomy, 3:55 p.m., Room 301 AB Agri. Adm. D. J. Epp, resource economics, on "Economic Trade-Offs for Environmental Quality."
Thursday, Oct. 18 — Archaeology, 3 p.m., Room 101 Kern, Dr. Joseph Michels, anthropology, "Archaeological Research in Ethiopia."
Friday, Oct. 19 — Earth and Mineral Sciences, 3:45 p.m., Room 26 M.S. Dr. K. Vedam, Materials Research Lab and

Saturday-Sunday, Oct. 20-21 — Artists Series, Samuel Beckett's "Krapp's Last Tape," and "Not I," with Hume Cronyn, Jessica Tandy, 8:30 p.m., Schwab.
Saturday, Oct. 20 — Casino Night, sponsored by OTIS to benefit Centre County United Way, 7-12 p.m., HUB card room.
Saturday, Oct. 20 — Astronomy Department "Open House," roof of Dave Laboratory, 7:30-10:00 p.m. (tickets required).
Sunday, Oct. 21 — Chapel Service, 11 a.m., Reverend Donald David, United Campus Ministry, Eisenhower Chapel.
Sunday, Oct. 21 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.
Sunday, Oct. 21 — Sports: Rugby, vs. Pittsburgh Law, 2 p.m.
Monday, Oct. 22 — Barbara Harbach, George, organ recital, 8:30 p.m., Music Bldg. recital hall.

physics, on "Characterization of Real Surfaces — A Survey of the State of the Art."
Friday, Oct. 19 — Physical Chemistry, 4 p.m., Room 310 Whitmore, Dr. John Reissner, on "Collision-Manifest Transition Coefficients."
Monday, Oct. 22 — Analytical Chemistry, 1 p.m., Room 310 Whitmore, Dan H. Waugh on "Clinical Analysis by Thermometric Methods."
Monday, Oct. 22 — Biochemistry, 11:10 a.m., Room 101 Altohouse, Dr. Harry Alcock, chemistry, on "New Inorganic Polymer for Biomedical Applications."
Tuesday, Oct. 23 — Engineering Mechanics, 11:10 a.m., Room 215 Willard, Ralph Liebowitz, Naval Research and Development Center, Bethesda, Md., on "Turbulence Induced Vibration and Acoustic Radiation from Plates."
Tuesday, Oct. 23 — Chemical and Nuclear Engineering, 4 p.m., Room 140 Fenske, Mr. Robert Ritzman, Acting Director, Office of Industrial Relations, U.S. Atomic Energy Commission, on "The Nuclear Incident — Present Status and Future (to 1985)."

Tuesday-Saturday, Oct. 23-27 — University Theatre, "Amorous Flea," 8 p.m., Pavilion.
Wednesday, Oct. 24 — Alard String Quartet, 8:30 p.m., Music Bldg. recital hall.
Wednesday, Oct. 24 — Centre County Chapter of the United Nations Association and various campus organizations in observance of United Nations Day, 8 p.m., HUB assembly room, Dr. Elton Atwater, political science, and Dr. Robert Schmalz, geology, on "Who Owns the Seas?"
Thursday, Oct. 25 — Faculty Women's Club, 9:30-11 a.m., HUB assembly room, Panel discussion on "Alternative Schools: What Does That Mean on State College," Dr. Mary Dupuis, education, will be moderator.
Friday, Oct. 26 — Artists Series, Alicia De Larrocha, piano recital, 8:30 p.m., Schwab.

Friday, Oct. 26 — Sports: Women's field hockey, vs. Millersville State College, 2:30 p.m., two games: Soccer, vs. Navy, 7 p.m.
Friday, Oct. 26 — Commonsplace Coffee-house, 8 p.m., Room 102 Kern.
Saturday, Oct. 27 — Sports: Football, vs. West Virginia, 1:30 p.m., Beaver Stadium.
Saturday, Oct. 27 — Indian Festival celebration, "Divali," 6:30 p.m., first floor, Kern, 20-30 minute prayers; Indian snacks, 7 p.m.; Indian movie, "Seeta Aur Geeta," 8 p.m. Charge, 50 cents.
Sunday, Oct. 28 — Sports: Cross Country, USTFF Eastern Regional Championships.
Sunday, Oct. 28 — Chapel Service, 11 a.m., Music Bldg. recital hall. The Reverend James Z. Alexander, Shaw Divinity School.
Sunday, Oct. 28 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

Tuesday, Oct. 23 — Graduate Air Pollution Control, 2:20 p.m., Room 108 Form, Dr. R. A. Rhoades, applied physiology, will lead discussion on the film: "Health Effects of Air Pollution."
Tuesday, Oct. 23 — Physics Solid State, 1 p.m., Room 339 Dawey, Dr. Rustum Roy, Director Materials Research Labs, on "The Structure of Non-Crystalline Matter."
Tuesday, Oct. 23 — Veterinary Science, 7-10 p.m., Room 111 Animal Industries, Tony Ganey, Agricultural Representative, Peace Corps, Rochester, in an informal presentation on agricultural programs overseas. Films.
Tuesday, Oct. 23 — Comparative Literature, Lincoln, 12:15 p.m., HUB Dining Room A, Lloyd Fernando.
Tuesday, Oct. 23 — Astronomy, 4 p.m., Room 445 Davey Lab, Dr. John P. Hagan, on "Films from the African Solar Eclipse of June 30, 1973."
Wednesday, Oct. 24 — Ecology, 9:30 a.m., Room 101 Kern, Roger J. Cuffey, on "Research in Paleocology."

Wednesday, Oct. 24 — Fuel Science, 4 p.m., Room 541 Delke, Dr. Richard L. Seaton, mineral economics, on "A Spectral View of Coal's Prospects."
Thursday, Oct. 25 — Chemistry, 12:45 p.m., Room 310 Whitmore, Jack Halpern, University of Chicago, on "Oxidative Addition Reactions of Transition Metal Compounds."
Thursday, Oct. 25 — Geosciences, 4 p.m., Room 22 Delke, R. W. Staehle, International Nickel Professor of Corrosion Science and Engineering, Ohio State University, on "Thermodynamics of Grain Boundaries."
Thursday, Oct. 25 — Physics, 3:55 p.m., Room 117 Osmond, Ezra T. Newman, University of Pittsburgh, on "A Rather Remarkable Curiously arising from the Maxwell Equations."
Thursday, Oct. 25 — Agronomy, 3:55 p.m., Room 301 AB Agri. Adm. D. M. Corder, rural sociology, on "Social Implications of Technological Advancement."

Lectures

Tuesday, Oct. 23 — Latin American Studies Committee, the Department of Architecture and the Institute for the Arts and Humanistic Studies, 7:30 p.m., Room 112 Kern, Dr. Fernando Belaudé-Terry, former President of Peru and former Dean of the Faculty of Architecture in Lima, on "Inter-American Relations in the 70's."
Thursday, Oct. 25 — 7:30 p.m., Mineral Science Auditorium, Dr. Fernando Belaudé-Terry, on "Some Contemporary Urban Developments in South America." Illustrated lecture.

Meetings

Thursday, Oct. 18 — USG Academic Assembly, 7:30-9 p.m., Room 203 HUB.
Thursday, Oct. 18 — Penn State Chapter of American Association of University Professors, 7 p.m., Room 112 Kern. Discussion of collective bargaining; open to general faculty.
Thursday, Oct. 18 — Faculty Women's Club, 9:30-11 a.m., HUB assembly room, Dr. Carol Cartwright, education, and Mrs. Judy Seaver, Ph.D. candidate in the College of Education, on "Parenting."
Monday, Oct. 22 — Panel Council, 6:30 p.m., Gamma Phi Beta, Haller.
Monday, Oct. 22 — USG Senate, 7:30-10:45 p.m., HUB assembly room.
Monday, Oct. 22 — OTIS, 8:30-7:30 p.m., HUB assembly room.
Monday, Oct. 22 — College of Education Student Council, 7-8:30 p.m., Room 317 Boucke.
Tuesday, Oct. 23 — ARHS, 7:30-9:30 p.m., Room 203 HUB.
Tuesday, Oct. 23 — College of Business Administration Student Council, 7 p.m., Room 208 Business Adm. Bldg.
Friday, Oct. 23 — OTIS, 8:30 p.m.-3 a.m., HUB assembly room. Landlord-tenant committee hearings.
Tuesday, Oct. 23 — College of Business Administration organizational meeting for study abroad program in Lima, Peru; 4 p.m., HUB Assembly Room.
Wednesday, Oct. 24 — A.W.S., 7 p.m., Room 203 HUB.
Wednesday, Oct. 24 — Earth and Mineral Sciences Student Council, 6:15 p.m., Room 244 Delke.

Interest Groups

Alpha Phi Omega, Mondays, 7 p.m., Room 308 Boucke.
Archery Club, Mondays, Wednesdays, Thursdays, 7 p.m., Room 33 White.
Chess Club, Wednesdays, 6:30 p.m., HUB card room.
Chorus, Thursdays, 6:30-11 p.m., Room 106 Sackett.
Coed Gymnastics Club, Mondays, 7:30 p.m., Rec Hall South Gym; Thursdays, 7:30 p.m., gymnastics room, White.
Coed-Acrobatics, Mondays, 6:30 p.m., Room 301 Boucke.
Focus on Sweden, Tuesdays, 7 p.m., Room 312 Boucke.
Gamma Sigma Sigma, Tuesdays, 7 p.m., Gamma Phi Beta, Haller.
Interlaria Folk Dancers, Sundays, 7:30 p.m., HUB ballroom.
Jazz Club, Thursdays, 8:30-9:30 p.m., Room 67 Willard.
Keynotes Club, Wednesdays, 7-8:30 p.m., Room 304 Boucke.
S.I.M.S., Wednesdays, 8 p.m., Room 108 Forum; Thursdays, 8 p.m., Room 101 Chambers.
Squash Club, Mondays, 7 p.m., White. Informal competition.

Artists Series

Hume Cronyn and Jessica Tandy will interpret Samuel Beckett, the Irish dramatist and novelist, on the Schwab Auditorium stage Saturday and Sunday, Oct. 20 and 21, at 8:30 p.m. If tickets remain, they are on sale at the HUB.
Cronyn will do one of Beckett's short plays, "Krapp's Last Tape," while his wife, Jessica Tandy, will do "Not I." As a husband and wife acting team and separately, the two have won many plaques.
Following this program, the next to appear on the Artists Series will be Alicia De Larrocha, on Friday, Oct. 26. The outstanding Spanish pianist will feature not only works of her countrymen but also of Debussy and Chopin, playing 24 preludes by the latter. Tickets for her concert will go on sale to the public Wednesday, Oct. 24, at the HUB. Student tickets will be sold beginning Tuesday, Oct. 23.

Young Socialists, 7:30 p.m., Mondays, Room 167 Willard; Wednesdays, Room 62 Willard.
Ukrainian Club, Thursday, Oct. 18, 8 p.m., Room 50 White, folk dancing.
Folklore Society, Thursday, Oct. 18, 8 p.m., Room 101 Kern.
PSOC, Canoe division, Thursday, Oct. 18, 7:30 p.m., Room 214 Boucke.
Alpha Lambda Delta, Monday, Oct. 22, 7 p.m., Room 67 Willard.
Nittany Grotto, Tuesday, Oct. 24, 7:30 p.m., Room 273 Willard.
German Club, Wednesday, Oct. 24, 8 p.m., West Room of Warnock Dining Hall. Rick Jackson, guitar.
Young Socialists, Wednesday, Oct. 24, 7-10:30 p.m., HUB ballroom.
PSOC, Ski division, Wednesday, Oct. 24, Ski Clinic, Blue Knob Ski Club, Wednesday, Oct. 24, 7:30 p.m., Room 365 Willard.
PSOC, Sailing division, Thursday, Oct. 25, 7:30 p.m., Room 214 Boucke.
College Republicans, Thursday, Oct. 25, 7 p.m., Room 269 Willard.
Ski Club, Thursday, Oct. 25, 7:30-10 p.m., HUB ballroom.
New Democratic Coalition, Friday, Oct. 19, 8 and 10 p.m., film, "Millhouse."

Films

Thursday, Oct. 18 — International Films, 7 and 9 p.m., HUB assembly room. "Kanal," directed by Andrzej Wajda.
Friday-Saturday, Oct. 19-20 — Student SF films, 7 and 9 p.m., HUB assembly room. "The Gaine Mutilator."
Saturday, Oct. 20 — Free-U children's film, "Three Caballeros," 12:30 and 2:30 p.m., HUB assembly room. Free popcorn and balloons.
Wednesday-Thursday, Oct. 24-25 — Commensplace Theatre, 8 and 10 p.m., Room 112 Kern. "Little Caesar."
Thursday, Oct. 25 — International Films, 7 and 9 p.m., HUB assembly room. "Beauty and the Beast."
Thursday-Saturday, Oct. 25-28 — Arnold Air Society, 7 and 9 p.m., Room 105 Forum. "Ir Ga."
Friday-Saturday, Oct. 26-27 — Student SF films, 7 and 9 p.m., HUB assembly room. "Little Shop of Horrors."
Saturday, Oct. 27 — Penn State Film Club, 11 p.m., HUB ballroom.

Exhibits

Museum of Art — Three Swiss Painters. Daily showing at 4 and 4 p.m. of half-hour film on Cuno Amiet.
Zoller Gallery, Visual Arts — "Super Mud '73," student invitational ceramic exhibit.
Kern Gallery — Marilyn Dwyer, palette knife, through Oct. 20. Duwayne Millets, photography, through Oct. 27. Opening Oct. 21, John Dorish, watercolors.
Pattee Library, Main Lobby — Display of Espanto materials.
Chambers Gallery — Larry Jordan, ceramics, and Frank Tillman, paintings and drawings, through Oct. 26. Opening Oct. 26, Design Show — a selection of mass-produced objects.

Official

Saturday, Oct. 27 — Written French and Spanish language examinations for advanced degree candidates.



Hume Cronyn: "Krapp's Last Tape."

President at Senate meeting Oct. 9

Salary plans discussed

Believing that the faculty at large might be interested in remarks made by President Oswald to the University Faculty Senate on October 9, INTERCOM presents a very slightly condensed report of his talk, with only minor changes from the verbatim transcript provided by the Office of the Senate. We wish to thank the Senate office for its help in making the transcript available.

Mr. Chairman, Ladies and Gentlemen of the University Faculty Senate, as you heard in the report of the minutes of the Senate Council, there were several matters of concern to the broad University that I discussed at some length with the Senate Council, and I felt that they were of such importance . . . that I should discuss them with the entire Senate.

The first two of my subjects about which I wish to speak are in the way of status reports, and the latter three are reports on actions that the Administration has taken that . . . implement actions of this University Faculty Senate.

By far the most important item, in my judgment, relates to the salary increments for 1973-1974. I spoke before the July meeting of the Senate, at which time I reported that salary increments for this coming year were the highest single priority item as we develop the new budget. I, of course, expressed regret and concern as to the uncertainty of the appropriation request at that time, both as to when it would be resolved and also as to the level. But I did attempt to give assurances of our determination to provide equitable, adequate increases in so far as we could go within the guidelines, and certainly that they would be retroactive in character to the first of the fiscal year.

In response to a question put to me, I indicated that a significant percentage of the monies that would be available for faculty and staff increases would be put along the lines of meeting the cost of living, and that another significant amount would be related to merit. As to the status at this very moment . . . it is difficult for me to speak with an absolute specificity, when probably at this very hour there is discussion in the General Assembly, in the House, as to whether or not that body will concur or not concur with the Senate Bill. If it does concur . . . of course we will be ready to go immediately upon signature of the Governor, and we have no reason to believe that will not be forthcoming. On the other hand, if it is non-concurrence, this requires a conference and some additional period. But certainly I would indicate that we have worked so as to be in a position to move as rapidly as possible once the appropriation level is settled.

The question now is not if there is going to be an increase of appropriation to enable us to proceed with increments, but the question is the exact amount . . . for The Pennsylvania State University, the difference between the Senate Bill and the House Bill is approximately \$800,000. It is my prediction that the so-called Snyder Amendment . . . in the Senate version of the Bill, which calls for an annual reporting relating to the work schedule, work loads, and diverse activities of faculty members . . . will continue, and of course it will be as late last year for the University of Pittsburgh and Temple University. I'm not sure as to whether or not the University of Pennsylvania is involved in this — although with their appropriation they may well be.

COST OF LIVING

Now the diversity of our University is such that we have several categories of employees. We of course are anxious to move as rapidly as possible with all categories in as equitable a manner as possible, always with retroactivity in mind, and with always in mind the very serious cost-of-liv-

ing increases that have occurred. They affect all of us, but the lower salaried employees even significantly harder.

For two of the categories of employees — namely, the technical-service employees and the clerical employees — we have been able to proceed with the increments for those two groups on two bases — one, is that a significant part of the funds for these employees, that is, the increased monies needed for salary increments for these employees, is already in-hand, being non-University monies, monies that are generated from increased room and board fees; and (two) the fact that those two categories of employees together make up less than 20% of our total payroll of the University — 80% being for faculty and staff. And so, in view of the fact that a significant part of the funds was available and the fact that it was a smaller part, significantly smaller part, and the fact that many of the employees were of the lower-salaried individuals within the institution, made us pleased that we were able to go ahead.

These increases were within the federal guidelines — I think those of you who are familiar with the guidelines are aware that there are certain minimum salaries, I believe it's \$3.50 an hour, below which the federal guidelines do not apply, and there was a high percentage of employees in these two categories, thus, not subject to the guidelines.

MERIT INCREASES

As for salaries for faculty and staff, I indicated that last time in response to a question (and now I can be more specific) that somewhere more than a third and less than 40% of the monies that we predict will be available will be paid in the form of a common dollar amount to each employee. Therefore, to an individual who receives, for example, a salary of \$7,200 and would receive \$360, that would represent a 5% increase. For the individual who was making \$20,000, that same \$360 would represent a 1.8% increase. The balance of the funds are being and have been based on recommendations on merit to individuals. But I can say this, that the average, and I of course speak of averages because individual salaries are a function of merit and other factors . . . the salaries of people in the faculty and staff that are at the comparable income level as those in the other two groups will receive comparable kinds of increases.

I should also point out that in our salary administration we are breaking out every single salary, particularly with reference to the faculty, on the basis of sex; and these are being reviewed to be certain that any practices that may have existed that led to inequities, indeed are corrected. . . . I just want to assure you that we are prepared to move as rapidly as possible, (1) the increments will be within the guidelines . . . (2) they will be retroactive, and (3) they will on the average be comparable to the lower income levels for other employees.

I would like to make this comment also. I went before this group in the Spring quite disturbed — still am for that matter — about a zero recommendation from the Governor and indicated that there were several fixed costs that the University had that were significant in amount for which we had to develop funds. Most of these related to additional costs for staff or fringe benefits. I have asked a report on this area to be prepared for all employees so that they fully understand our fringe benefit program. Let me just indicate some figures here. Faculty and staff benefits have risen from \$7.6 million in 1968-69 to an estimated \$19.8 million in 1973-74. This \$12.2 million increase in fringe benefits has been brought about primarily in relationship to a strengthening of the University retirement program. Whereas in

1971-72 the University was contributing 8% of the salary, last year we were contributing 7%, and this year 8%. And just a round figure, each percentage point increase of the University's contribution it means \$1.2 million extra in the budget.

Similarly, costs of the Social Security program, increases of which of course we all support . . . have increased during this five-year period 150 per cent.

In the area of faculty and staff medical benefits, of course, the cost of these continue to grow as the costs of medical treatment and hospitalization go up. I can state that in the past two years, health insurance premiums for family coverage alone has increased over 75%. I would just like to remind you that all of the increase has been absorbed by the University, while the employee's contribution to the plan — the \$5.00 per month — has remained the same. And so as we talk about the questions of salaries and compensation, I wanted to emphasize that much of the funds that have become available in addition to what anticipate from state appropriation sources have gone in some way or other towards the increased fringe benefits.

The second matter that I wish to mention concerns two academic personnel policies, policy matters about which consultation with the Senate is very, very important. In fact, you all are aware that the Trustee regulations very properly say the President shall consult with the faculty as appropriately organized . . . on all matters relating to academic personnel policies. What I have put before the University Faculty Senate Council, and I am sure will go to the appropriate committees, are drafts of two documents. The first perhaps could be better described as a report relating to policies that should govern academic ranks and titles in the University. This grew out of a committee that was advising the Provost a year and a half ago on academic promotions; there were several questions raised suggesting that clarification was needed in handling of academic titles and ranks. Quote . . . "the whole matter of academic titles be studied and a view toward sharpening or sharpening sharper descriptions of Associate Professor, Professor and the various relationships of the functions, i.e., should there be extension professors, research professors, should there be multiple ranks, or a multiple series, or a single series?" A very distinguished committee has studied this long and hard, and has come back to the Provost with a series of recommendations, one of which indicated that any changes that are made in this regard should be made in a context of the reconsideration of tenure regulations of the University.

TENURE

With this in mind, the second of the policies which have been put before the Senate Council has been a draft of proposed policies governing the granting of tenure. Now academic tenure recently has been the subject of considerable national attention. To most of the academic community, tenure has traditionally represented an important safeguard to academic freedom. Criticisms of tenure, however, have been on the ascendancy. The concept of tenure . . . was carefully studied . . . by the Keast Commission on Academic Tenure, and the findings . . . are now available. This was a commission headed up by William Ray Keast who was then the president of Wayne State and now is a professor of political science at the University of Texas. This commission is, or was, of the conviction that academic tenure — rightfully understood and properly administered — provides the most reliable means of assuring the quality of faculty and educational excellence as well as the best guarantee of academic freedom. While the concept of tenure itself is sound, the commission does point out the fact that practices for awarding tenure may have been less than ideal. The commission also appears to have been responsible for generating much of the criticism that has been directed towards tenure as a policy.

Despite the shortcomings that have been identified by the critics, tenure is still in my view preferable to any of the many substitutes that have been proposed. The challenge however, is to assure that Penn State's tenure policy is strong and effective. Soon after I joined this institution, I

was told by members of the then Senate leadership, and others of this need to revise Penn State's tenure policies. I suggested at a Senate meeting that perhaps a commission ought to be formed representative of the institution and the people who are most concerned. I was advised by this group at that time, that the appropriate group should be the Faculty Affairs Committee of this body, as the principal review group. Also the Senate leadership at that time indicated that they would prefer that I would, or my office would, put forward a draft of tenure changes that I felt might be appropriate, rather than just raising issues with the faculty committee. And that's what we have done — this is a draft and will be before first, the Senate Council and I assume later the Committee on Faculty Affairs.

(Ed. note: At this point, President Oswald spoke briefly about the new Faculty Rights and Responsibilities Policy and about the Division of Undergraduate Studies, concluding with the following concerning the Applied Research Laboratory.)

And finally, I would remind you of discussions that probably are not in the forefront of your mind now, but were very much a couple of years ago, and that is, what should the policies of this University be vis-a-vis research? Particularly on the top of people's minds was classified research, how it should be dealt with, what was the place of the Ordnance Research Laboratory now applied Research Laboratory — in the University. I went before the Senate and to the Senate chairman, Professor Smith, and asked that the Senate undertake such a review.

This went on for a period under the overall aegis of the Academic Affairs Committee with a special subcommittee of Research chaired by Dr. Hugh Urban. The committee made recommendations which were adopted by this group — one of the principal recommendations was to the effect that the view be expressed that the institution and continuing presence of the ORL was consistent with the published commitment of the University to engage in both theoretical and applied research pointed toward the solution of problems of society above and beyond the needs and purposes of its own collegiate community and those of the Commonwealth. The University has both an obligation and a right to conduct academically justifiable research in defense as well as in other areas of societal concern.

The key word there, of course you will detect, was "justifiable," and it went on then to conclude that in the case of institutionalized patterns of classification and secrecy, what is important is that members of the general University community and the public must have special assurance that there is some respected University body which will monitor the work of this and other organizations in order that the mission of the University will be honored and not distorted.

It went on then to recommend that we restructure the Board that is advisory to the ARL, and that it be given a proper charge and also that it be composed of representatives of the entire University community, not just the technical people at that particular area.

What I am reporting to you now, as I have written in a full report to your Chairman, is that these recommendations have been done. The Board has been restructured and to facilitate ARL and University administrative communications with the University community to improve understanding and confidence in the ARL program — to insure that the ARL programs continue to be academically justifiable and to insure that security classification is minimally employed and only to protect information important to national security.

This Board will have its initial meeting here in the next couple weeks.

PENN STATE intercom

Volume 3, Number 8

October 25, 1973

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

Also considers Commonwealth Campus proposals

Council asks evaluation delay

The University Council Oct. 18 asked a delay in implementing the University-wide student evaluation of instruction after recommending at the Oct. 3 meeting that the evaluation be made during the fall term.

The delay was requested to allow time for the Senate Committee on Academic Affairs to complete a major study of student evaluation now in progress. Dr. Ronald J. Harshbarger, assistant professor of mathematics at the Beaver Campus and chairman of the Council subcommittee on

Instructional Improvement, requested the delay.

The Council also recommended that Provost Russell E. Larson ask department heads to give their estimates on the usefulness of the experimental course survey given at registration last spring to all students scheduled to graduate at the June commencement. The request would be in the form of a brief questionnaire and covering letter transmitting summary results of the evaluation to department heads.

(Continued on page two)

Two in Nelson W. Taylor series

Linus Pauling to give three lectures

Dr. Linus Pauling will give the 1973 Nelson W. Taylor Lectures in Material Sciences Thursday and Friday, Nov. 8 and 9, and will give a lecture of general interest Saturday, Nov. 10.

The Taylor lecture series was established by the widow of Nelson W. Taylor, who was professor and head of what was then the department of ceramics here from 1933 to 1943. He died in 1965, and the memorial was established in 1966 to provide, in part, for lectures by distinguished visiting speakers prominent in science.

Dr. Pauling, winner of two Nobel Prizes, will speak on "The Structure of Metals and Alloys," Thursday, Nov. 8, at 8 p.m. and on "The Structure of Atomic Nuclei" the following evening at 8 p.m.

The University Committee on International Programs is sponsor of the lecture Saturday, Nov. 10, on "Vitamins and International Health," at 8:30 p.m.

All the lectures are open to the public, and all are in Room 112 Kern Graduate Building.

Remembering his boyhood, a goat for his sons

Biophysicist Keith grew up on Kentucky farm

After 18 months in Central Pennsylvania, Dr. Alec D. Keith has become an enthusiastic proselytizer for the beauties of his new home.

"I don't know if most of the people here really appreciate how high the quality of life is," the associate professor of biophysics says. "We lived in Orinda, California, before coming East. The major news in Orinda is whose house was robbed the preceding day. You practically had to lock your car with a ball and chain. One afternoon, we left the house for an hour and came back to find it had been robbed."

"I really enjoy living on a couple of acres and still being only ten minutes from the University. I think this is one of the ecologically preferred spots in America."

Dr. Keith first became interested in Penn

State when biophysicist professor Wallace Snipes spent a sabbatical at the University of California at Berkeley where he was teaching, and the two men began collaborating on some papers.

For his research, Dr. Keith has been awarded an H.E.W. Research Career Program Development Award. He is studying biological membrane structures and function, often by examining the mutants of yeast and bacteria to introduce a requirement that has to be supplied in the diet. The requirements of interest to him are structural elements necessary for membrane growth and function.

"We're trying to make structural, functional assignments," Dr. Keith explains. "For example, inositol is a vitamin and a structural element required in the mem-

MUSIC PROGRAMS

Three programs of music, involving Music Department faculty members, will be performed in the Music Building recital hall next week.

Monday, Oct. 29, Musica da Camera and other members of the faculty, along with a senior performance major, Charles Metz, will play works by a variety of composers. Metz, who built his own harpsichord this summer, will play compositions by Francois Couperin for two harpsichords, with Teri Gemberling, part-time music instructor.

A trio sonata by Handel will be performed by June Miller, harpsichord; Overda Page, flute; and Raymond Page, violin, following which Miss Miller will play two groups of harpsichord pieces from French Baroque and English Renaissance periods.

The chamber orchestra, Musica da Camera, formed and conducted by Dr. D. Douglas Miller, assistant professor of music, will play Bach's Concerto in C Minor and Telemann's Suite in A Minor, in which Mrs. Page will be flute soloist.

Wednesday, Oct. 31, Raymond Page, associate professor of music, and violinist with the Alard Quartet, will play Regner's "Suite No. 7" for viola; Bach's "Sonata in

F Minor" for violin, with June Miller accompanying on harpsichord; a Hindemith composition, with Philip Dettra providing piano accompaniment; and Stravinsky's "Elegy," for viola.

The Brass Choral, under the direction of James D. Benshoof, instructor in music, will give a concert Friday, Nov. 2, at 8:30 p.m. in the Music Building recital hall. Works of eight composers will be featured by the Choral. Members of the Symphonic Wind Ensemble, directed by Smith C. Toulson, assistant professor of music, will also perform.

All programs are free and open to the public.

WRESTLING TICKETS

Penn State will be host to wrestlers of seven colleges in the first Penn State Invitational Wrestling Tournament, Dec. 7-8. Applications are currently being accepted for tickets for the entire series; individual session tickets will be sold beginning Nov. 15. Ticket orders are being accepted now, and those wishing to pick up their tickets later can avoid the 50-cent mailing and handling charge. The cost for the entire series (three sessions) is \$6. It you

(Continued on page two)

is extremely important to university professors. They feel it is essential to their creativity."

Dr. Keith is convinced that a professor to be a good teacher in a university that carries on a graduate program, he should be involved in research.

"The special knowledge and exploratory attitudes gained from research activities filter down through all of one's teaching, resulting in better education for both graduate and undergraduate students," he says.

Although many scientific fields currently have an oversupply of Ph.D.s, Dr. Keith believes there's still plenty of room for people who can do high quality work.

"I don't think we need more quantity in American science today, but we always need more quality," he comments.

Dr. Keith himself did not originally intend to become a scientist. He grew up on a farm in Pulaski, Ky., and planned to go into farming on his own. However, his family moved to Arizona when he was in his teens, and he enlisted in the Air Force and served in Korea. On his return, he contracted polio, and the resulting paralysis of his legs sent him to Walter Reed Army Hospital, where he spent two-and-one-half years. Transferred to the Long Beach, Calif., Veterans Administration Hospital for an additional two years, he found himself next door to Long Beach State College. He enrolled and wound up with a B.S. in zoology. From there, he went to the University of Oregon, earned a Ph.D. in genetics, and joined the Genetics Department at Berkeley.

He has not totally turned his back on farming, however. He and his wife recently bought their three sons a goat, since Dr. Keith remembered from his own boyhood that they make good pets. The family is also converting a long porch attached to their home into a greenhouse.

"I don't like paying \$1.00 a pound for tomatoes in the winter," he says, "so I've decided to go back to farming on a small scale anyway and grow my own table vegetables!"



Dr. Alec D. Keith — studying biological membrane structures.

Dr. Maurice Mook dies at 69

Dr. Maurice A. Mook, professor emeritus of anthropology, died Oct. 18; he was 69 and had retired in 1969 after serving on the faculty for 20 years. A native of Pennsylvania, he received his B.A. degree from Allegheny College in 1925, the M.A. from Northwestern University in 1929, and Ph.D. from the University of Pennsylvania in 1942.

Noted for his studies among religious and ethnic groups in this country, he conducted field work among communities of the "Plain People" of Pennsylvania and lectured on the subject more than 200 times throughout the state. Earlier, he had done field work among Indian tribes, and was co-author of "Walapai Ethnography," a

book on the tribe in Arizona. He made archaeological excavations of Indian sites in Illinois and Missouri and conducted studies of remnant Indian peoples in Delaware, Maryland, Virginia, and North Carolina. He also did field studies in Mexico and Peru.

In 1926 the University honored him with the Christian R. and Mary F. Lindback Award for Distinguished Teaching.

Prior to coming to Penn State, he served on faculties at the University of Pittsburgh (1929-33), Ohio Wesleyan University (1935-36), Brown (1936-38), American (1941-45), and Missouri (1945-49). During World War II he worked as a civilian with the Office of Strategic Services in Overseas Security.

process. The Federation, which is composed of more than 22,000 member-subscribers throughout the world, was the award annually to a member of any member association of the Federation for the in-plant study and solution of an operating problem. The method of phosphorus removal from sludge, worked out by Dr. Long and other engineers, is now being used at many locations throughout the nation.

Dr. Walter H. Walters, dean of the College of Arts and Architecture, has been elected Fellow of the Association, by the American Theatre Association. The honor was bestowed for "continuous and outstandingly meritorious work in the theatre in America."

A one-act play by Dr. Lillian Preston, associate professor of speech, won first place in the John Gassner Memorial Award contest sponsored by the New England Theatre Conference. This is her sixth playwrighting award.

Dr. James E. Yesselsky, assistant professor of school psychology, has won the 1973 Lighter Witmer Award for a paper, "Accountability of diagnostic-prescriptive Teaching: Myth or Reality?" School Division of the American Psychological Association makes the annual award.

any proposals and inquiries are encouraged. There are no formal deadlines.

(102-3) The National Science Foundation is formulating a new division under its RANN program. To be called the **Advanced Energy Research and Technology Division**, the new division will conduct studies and research. Advanced research and technological problems in geothermal energy, energy conversion, energy resources, and energy and fuel transportation will also be supported. Estimated FY 1974 funding will be \$25 million. The acting head for the new division is Dr. Richard Green, Advanced Energy Research and Technology Division, RANN, NSF, 1800 G Street, N.W., Washington, D.C. 20540.

(102-4) The National Research Council announces the **1974 Research Associateship Program**, providing opportunities for research in selected federal organizations for postdoctoral scientists and engineers. Associateships are open to recent recipients of the doctorate and in some cases to senior investigators. Certain programs are open to non-U.S. citizens. Three areas of research to be supported — atmospheric, earth and space science, biological, medical, and behavioral sciences; chemical, engineering, mathematical, and physical sciences. Stipends are not less than \$13,000/year. Applications must be postmarked not later than Jan. 15, 1974. Additional information is available from Dr. R. B. Howell, 3110 Rockledge Blvd., (865-2514) or from: Associateship Office JH06-P, National Research Council, 2101 Constitution Ave., N.W., Washington, D.C. 20540.

(102-5) The Rockefeller Foundation and the Ford Foundation announce a program of awards in support of **Population Policy Research** in the social sciences, humanities and law. In this fourth year of the program, projects in population policy research drawing on humanistic disciplines have been added to social scientific and legal research on population policy. The following is a suggestive listing of research areas: interaction of population variables and social, cultural, and humanistic concerns; interaction of population variables and economic policy; population distribution and interaction of population variables and law. Detailed program and proposal information is available. For review and approval by Jan. 15, 1974. Robert J. McIntyre, PSU Dept. of Economics, is a 1973 award winner under this program.

REMINERS — DEADLINE OATES, Dec. 1 for NHL Pulmonary Research Grants and NSF Engineering Research Initiation Grants (Sept. 27 INTERCOM 289-1 and 289-3). Dec. 1 for NSMHA training grants (Oct. 6 INTERCOM 210-11). Dec. 7 (extended) for NSF Undergraduate Research Participation, NSF Secondary School Science Education program; and NSF Student Originated Studies program (Sept. 6 INTERCOM 296-3).

At New Kensington Campus

Gonzalez-Cruz gets director's award

Dr. Luis F. Gonzalez-Cruz, assistant professor of Spanish, Italian and Portuguese at the New Kensington Campus, has received the 1973 New Kensington Campus Director's Award, which is given annually for "Outstanding Achievement and for Outstanding Service to his Campus and University."

Dr. Gonzalez-Cruz, whose class enrollment in Spanish courses has increased from 15 students to 52 in three years, offered, for the first time on any campus of the University, courses in Latin American

literature of 19th and 20th centuries in English translation and in Latin American culture and civilization in English translation.

In the publishing field, he has written various articles, reviews and translations of Latin American texts into English, and a book on the late Pablo Neruda. He has also published poems and short stories and completed a manuscript on three poets, Neruda, Vallejo, and Garcia Lorca, as well as a book of poems.

Occupational privilege tax deduction

As was the case last year, the University will withhold the Occupational Privilege Tax of \$10.00 from all employees who are based at University Park and are liable for the tax. Since the University will be able to obtain a 2% discount for prompt payment, it will pass this savings on to each employee.

Accordingly, the Faculty and Staff members who are paid on a monthly basis, the tax of \$9.80 will be withheld from their pay checks, dated November 30, 1973. For

all other employees (Technical Service, Graduate Assistants, and Wage) the deduction will be made from their paychecks dated November 23, 1973.

If any employee wishes to appeal his liability for this tax, he should apply directly to Mr. Paul O. Bender, Tax Collector, 250 East Beaver Avenue, State College, Pennsylvania 16801.

(Department Heads are asked to make sure that their wage earners are aware of this tax.)

NEWS—

(Continued from page one)

pen to obtain tickets by mail, address the Penn State Ticket Office, 237 Recreation Building, making checks of money orders payable to The Pennsylvania State University (\$6.50 for tickets to be mailed).

ART SHOW TOURS

For the duration of the exhibit of the art works of three Swiss painters, tours of the show will be conducted Tuesdays and Thursdays at 2 p.m., with guides familiar with the artists and their works. The exhibit is at the Museum of Art and will remain until Nov. 4. A film of the life of one of the artists, Cuno Amiet, is shown daily except Monday at 1 and 3 p.m., just before and just after the tours.

SPECIAL FILM

As part of the classwork in Comparative Literature 100 (Introduction to Comparative Literature), a film, "Black Orpheus," will be shown Tuesday, Oct. 30, at 7:30 p.m. in Room 207 S. Human Development. Anyone interested may attend. English subtitles are used.

USTFF CHAMPIONSHIPS

Cross country championship races, involving senior men (over 30), women (all ages) and varsity runners from colleges and universities in the Eastern Region of the U.S. Track and Field Federation, will be held Sunday, Oct. 28, on the University White golf course. The six-mile senior men's race will start at 10:30 a.m.; the USTFF varsity race, also six miles, at 11:30 a.m.; and the women's 25-mile race at 12:30 p.m.

WOMEN'S TRACK

An organizational meeting of all women students, faculty and staff interested in participating in a Women's Track and Field Club will be held Tuesday, October 29, at 6:00 p.m. in the Game Room of White Hall. The Club is planning to engage in supervised Winter conditioning looking to Spring competition.

All who are interested are encouraged to attend this initial meeting; if unable to do so or to obtain further information, contact Maribeth Peninger — 105 White Building — 865-7591.

HUB CANDLELIGHT

A special Candlelight Dinner will be held in the Hub Terrace Room Wednesday, Oct. 31. Below is the menu. The menu will feature beef burgundy, roast turkey with dressing, Salisbury steak with mushrooms, fowl Cordon Bleu, and baked stuffed potatoes. Witches' brew will be served, and the feature pastry will be pumpkin raisin muffin. Service at the Terrace Room is from 5 to 6:45 p.m.

Volume 3, No. 8 October 26, 1973
Penn State INTERCOM is a weekly publication for the academic community of The Pennsylvania State University. It includes each Thursday when classes are in session. General information and items for the calendar should be sent to the Editor, INTERCOM, by the preceding publication date, Room 312 Old Main.
Editor: W. F. Ackerman Phone 865-7517

Honors

Dr. Frank Anthony, associate professor of agricultural education, received the Honorary American Farmer Degree of the Future Farmers of America, presented at the organization's 46th National Convention in Kansas City, Mo. A gold key and certificate were presented to 153 teachers, representatives of government and industry, and parents of Star Farmer of America and Star Agribusinessman of America.

Albert J. Midler, librarian at the New Kensington Campus, has been selected for inclusion in the 38th biennial edition of the publication, "Who's Who in America." He has been at the New Kensington Campus since 1968.

Martha A. Adams, assistant to the dean of the College of Health, Physical Education and Recreation, has received the annual Merit Award of the Eastern Association for Physical Education of College Women. The award was given for her contributions to the profession and to the organization, which she has served as vice president.

Dr. David A. Long, assistant professor of civil engineering, has received the Philip F. Morgan Medal given by the Water Pollution Control Federation for work on soluble phosphorus removal in the activated sludge

Funding Opportunities

For more information, call 865-1372 except where noted below, and refer to the item by its number and the general information. People with grants information for dissemination in this column should call the same number.

OCTOBER 26, 1973

(102-1) The Environmental Protection Agency (EPA) has a number of grants programs for which no specific proposal deadlines have been set. Descriptions and contacts are available; follow-up listings, subject to changes and new legislation.

Air Pollution — Control Program Grants; Fellowship-Masterpiece Training Grants; Survey and Demonstration Grants; Control-Technical Training; Control Research Grants.

Water Pollution — Control-Drift Training; Control-Drift of Wastewater Treatment Works; Control-State and Interstate Program Grants; Control-State and Local Municipal Development; Control-Training Grants; Control-Research, Development and Demonstration Grants.

Radiation — Training Grants and Research Grants. **Environmental Protection** — Comprehensive Research Grants and Consolidated Program Grants.

Pesticides — Research Grants. **Solid Waste** — Research Grants. **Water Supply** — Research Grants.

(102-2) The NSF Research Applications Directorate has an Office of Exploratory Research and Problem Assessment whose purpose is to support research on emerging or existing problems of national significance which fall under the other RANN topics (Divisions Environmental Systems and Resources, Advanced Technology Applications, and Social Systems and Human Resources). The following have areas in Exploratory Research and Problem Assessment:

Technology Assessment — study of effects on science when a technology is introduced.

Technology and the Economy — exploration of the interface between technology and the economy including environmental consideration in the problem areas. Internalization of social costs, large scale projects, the consumer and the marketplace, productivity in the public and private sectors, and competitiveness in the international market.

Human Needs — research and assessment on topics such as: alternative population patterns; women, youth, family, work and leisure; human rehabilitation; minority group problems and the aging population.

Alternative Futures and Institutional Change — exploring societal consequences through scenario forecasting, long-range planning, and social institution responsiveness.

Other Societal Problems — to handle creative new ideas which lie outside the above-defined areas, e.g., education, transportation, health, communications, environmental management. Preliminary

U. COUNCIL—

(Continued from page one)

The survey asked students to name the best and worst courses both within and outside their major field of study during their college career.

The major part of the Council meeting was devoted to a presentation of a proposal for developing an administrative and academic structure consonant with the mission of the Commonwealth Campuses. The Council is one of several University groups whose advice is being sought in the development of the organization within the University's overall academic policy plan. Or Robert G. Quinn, dean of academic instruction for the Commonwealth Campuses, made the presentation.

Names of a subcommittee to prepare a response to the proposal for the Council were Dr. John J. Coyle, Jr., professor and head of the department of business logistics, chairman; Leo Sam Deegan, University Park student member; Dr. Harshbarger, Or. Charles L. Hosier, dean of the College of Earth and Mineral Sciences; and Charles J. Smith, director of the Osgood Campus.

The Nov. 1 meeting of the Council will be held at the Berks Campus.

WPSX highlights

Thursday, Oct. 25: At 8 p.m., "Behind the Lines" presents a monthly review of the news media concentrating on how the media reported major news stories. Items of discussion include journalism, and interviews with journalists. At 10:30 p.m. on "Overview," Henry Burns, assistant director of criminal justice at Penn State, joins a panel of legislators, prison officials, and administration officials to discuss prison reform in Pennsylvania.

Friday, Oct. 26: At 6:30 p.m. on "Women," Samantha Dean and Dr. Jo Ann Evans Gaudin discuss whether or not women should question psychological theories developed by male researchers. Items of discussion include "Old Man and Myth" at 8 p.m. The program serves as an introduction to "Law and Order," which will air every week. Film about a big city police force, to be seen at 8:30 p.m.

Saturday, Oct. 27: Award-winning documentary filmmaker Fred Wiseman and Joe Paul Kinigho to appear on the Beverly Hills police department are featured in a discussion of "Old Man and Myth" at 8 p.m. The program serves as an introduction to "Law and Order," which will air every week. Film about a big city police force, to be seen at 8:30 p.m.

Sunday, Oct. 28: Arthur Mitchell and his Dancel Theatre of Harlem are featured in a performance documentary at 6 p.m. At 10 p.m. on "Film Line," William F. Buckley, Sr. and women's liberation leader Germaine Greer resume their debate on women's lib.

Monday, Oct. 29: Concomid Film, Wilson Hall, "The City of Women," and "Other Faces" a special program about aging, at 8 p.m. At 9:30 p.m. "Tax Dollars and Public Schools" is the subject on "Overview."

Tuesday, Oct. 30: Opera star Shirley Verrett tells those who have made mistakes in her operatic career on "Profile in Music: Shirley Verrett" at 8 p.m. About 9:30 p.m. the blues team of Dr. Terry Brown and McGee perform in a special hour program.

Wednesday, Oct. 31: Coach Joe Paterno and hosts Fran Fisher and Jim Tarmann present NFL highlights and analysis of Penn State's game at West Virginia on "TV Outbreakers" at 7 p.m. At 10:30 p.m. novelist Eric Caldwell discusses his new book, "Annette," with host Robert G. New on "Book Beat."

University Calendar

October 25-November 4, 1973

Special Events

Thursday, Saturday, Oct. 25-27 — University Theatre, "Amorous Flea," 8 p.m., Pavilion.

Thursday, Oct. 25 — Black Christian Fellowship "Religious Emphasis Week" program, 7:30 p.m., Black Cultural Center. Talk by Dr. Lawrence Craib, pastor, Parkwood CME Church, Cleveland, on the theme "Reaching Out."

Thursday, Oct. 25 — Faculty Women's Club, 9:30-11 a.m., HUB assembly room. Panel discussion on "Alternative Schools: What Does That Mean for State College?" Dr. Mary Dupuis, education, moderator.

Friday, Oct. 26 — Artists Series, Alicia De Larrucha, piano recital, 8:30 p.m., Schwab.

Friday, Oct. 26 — Sports: Women's field hockey, vs. Millersville State College, 2:30 p.m., two games. Men's soccer, vs. Navy, 7 p.m.

Friday, Oct. 26 — Commonsplace Coffee-house, 8 p.m., Room 102 Kern.

Saturday, Oct. 27 — Sports: Football, vs. West Virginia, 1:30 p.m., Beaver Stadium, All-University Day.

Saturday, Oct. 27 — Indian Festival Celebration, "Diwali," 6:30 p.m., first floor, Kern. 20:30 minute prayer; Indian snacks, 7 p.m.; Indian movie, "Seete Aai Geeta," 8 p.m., Charge, 50 cents.

Sunday, Oct. 28 — Sports: Cross Country USTFF Eastern Regional Championships, 11:30 a.m. Senior men's six-mile race, 10:30 a.m.; women's 2½ mile race, 12:30 p.m.

Sunday, Oct. 28 — Chapel Service, 11 a.m., Music Bldg. recital hall, The Reverend James Z. Alexander, Shaw Divinity School.

Sunday, Oct. 28 — Black Christian Fellowship service, 11 a.m., Black Cultural Center.

Monday, Oct. 29 — Musica da Camera, 8:30 p.m., Music Bldg. recital hall.

Monday, Oct. 29 — First meeting, women's varsity fencing team, 7 p.m., Room 33 White.

Tuesday, Oct. 30 — Sports: Women's field hockey, vs. Lock Haven State College, 2:30 p.m., two games.

Tuesday, Oct. 30 — Free-UI Jammy, 7-11:30 p.m., HUB ballroom.

Wednesday, Oct. 31 — Free-UI Halloween Jammy, 7-11 p.m., HUB ballroom.

Wednesday, Oct. 31 — Raymond Page, violin-viola recital, 8:30 p.m., Music Bldg. recital hall.

Thursday, Nov. 1 — Artists Series, Leningrad Philharmonic, 8:30 p.m., Rec Hall.

Thursday-Saturday, Nov. 1-3 — Thespians show, "The Brotherhood," 8:30 p.m., Schwab.

Friday, Nov. 2 — Penn State Brass Choral, 8:30 p.m., Music Bldg. recital hall.

Friday, Nov. 2 — Folk and Squire Dance Roundup, 7:30-10 p.m., North Gym White.

Friday, Nov. 2 — Commonsplace Coffee-house, 8 p.m., Room 102 Kern.

Friday-Saturday, Nov. 2-3 — University Theatre, "One Flew Over the Cuckoo's Nest," 8 p.m., Playhouse Theatre.

Friday-Saturday, Nov. 2-4 — Sports: Women's field hockey, Susquehanna Field Hockey Tournament.

Saturday, Nov. 3 — Sports: Rugby, vs. Kent State, 2 p.m.

Sunday, Nov. 4 — Chapel Service, 11 a.m., Eisenhower Chapel. Charles L. Coleman, Religious Affairs.

Sunday, Nov. 4 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

Meetings

Sunday, Oct. 28 — Organizational meeting. Nityany Fencing Club, 7 p.m., Room 134 White. For students, faculty, staff.

Monday, Oct. 29 — USG Senate, 7:30-10:45 p.m., HUB assembly room.

Monday, Oct. 29 — Panel Council, 6:30 p.m., Alpha Xi Delta.

Monday, Oct. 29 — OTIS, 6:30-7:30 p.m., HUB assembly room.

Tuesday, Oct. 30 — Engineering Undergraduate Council, 7:30 p.m., Room 207 Sackett.

Tuesday, Oct. 30 — Undergraduate Political Science Association, 8:30-9:30 p.m., Room 173 Willard.

Tuesday, Oct. 30 — ARHS, 7:30-9:30 p.m., Room 203 HUB.

Tuesday-Wednesday, Oct. 30-31 — A.W.S., 6:30-10:30 p.m., Room 203 HUB.

Thursday, Nov. 1 — USG Academic Assembly, 7:30-9 p.m., Room 203 HUB.

Seminars

Thursday, Oct. 25 — Chemistry, 12:45 p.m., Room 308 Bouché. Jack Halpern, University of Chicago, on "Oxidative Addition Reactions of Transition Metal Compounds."

Thursday, Oct. 25 — Geosciences, 4 p.m., Room 102 Kern. R. W. Staehle, International Nickel Professor of Corrosion Science and Engineering, Ohio State University, on "Thermodynamics of Grain Boundaries."

Thursday, Oct. 25 — Physics, 3:55 p.m., Room 117 Osmond. Ezra T. Newman, University of Pittsburgh, on "A Rather Remarkable Curiosity Arising from the Maxwell Equations."

Thursday, Oct. 25 — Agronomy, 3:55 p.m., Room 301 AB Agri. Adm. D. M. Cridler, rural sociology, on "Social Implications of Technological Advance."

Thursday, Oct. 25 — Population Issues Research Office, 3:30 p.m., Room 344 Deike. Dr. Betty Kirchner on "Reasons for Wanting Children: Factors and Correlations."

Thursday, Oct. 25 — Computer Science, 4 p.m., Room 101 Althouse. Dr. Donald Johnson on "Optimal Spanning Trees, Branchings, and the Traveling Salesman Problem."

Thursday, Oct. 25 — Slavic-Soviet Language and Area Center, 8 p.m., Room 101 Kern. Professor Shelia Fitzpatrick, Columbia University, on "A. V. Lunacharsky, the Peoples' Commissar of Enlightenment."

Thursday, Oct. 25 — Statistics, 4 p.m., Room 73 Willard. Cathy Campbell on Applied Sampling: Some Examples."

Friday, Oct. 26 — Geochemistry-Metalurgy, 2 p.m., Room 244 Deike. Dr. R. W. Staehle, Ohio State University, on "Applications of Auger Analysis and Elipsometer to the Study of Surfaces."

Friday, Oct. 26 — Clinical Psychology, 3 p.m., Room 112 Kern. Dr. James W. Prescott, National Institute of Child Health and Human Development, on "Somatosensory Deprivation."

Monday, Oct. 29 — Genetics, 3:55 p.m., Room 111 Tyson. Dr. Lowell Wilson on "Genetic-Environmental Interactions in Livestock."

Monday, Oct. 29 — Biochemistry, 11:10 a.m., Room 101 Althouse. R. Rhoades on "Surfactant and Lipid Synthesis in the Lung."

Monday, Oct. 29 — Analytical Chemistry, 1 p.m., Room 310 Whitmore. Dr. Frederick R. Matson, on "Analytical Studies of Archaeological Ceramics."

Tuesday, Oct. 30 — Biochemistry, 11:10 a.m., Room 101 Althouse. R. Rhoades

on "Glucosid and Palmitate Metabolism in the Isolated Perfused Lung."

Tuesday, Oct. 30 — English, 8 p.m., Room 101 Kern. Philip Klass (William Tenn), new story for a forthcoming anthology on Jewish fantasy and science fiction.

Tuesday, Oct. 30 — Comparative Literature luncheon, 12:15 p.m., HUB Dining Room A. Anthony Cutler.

Tuesday, Oct. 30 — Operations Research, 3:45 p.m., Room 267 Willard. Dr. Stuart H. Mann, man-environment relations, on "Markov Decision Processes and Some Applications to Biological Control."

Tuesday, Oct. 30 — Chemical Engineering, 4 p.m., Room 140 Fenske. John A. Stellmack on "Speleology."

Tuesday, Oct. 30 — Graduate Air Pollution Control, 2:20 p.m., Room 140 Fenske. Dr. Joseph L. Carroll, business logistics, on "Public Transportation — How Can We Make It Work?"

Tuesday, Oct. 30 — Solid State Physics, 1 p.m., Room 339 Davey. Dr. Joel Appelbaum, Bell Telephone Research Laboratories, New Jersey.

Tuesday, Oct. 30 — Engineering Mechanics, 4 p.m., Room 216 Hammond. Dr. Frank L. DiMaggio, Columbia University, on "Dynamic Response of Fluid-Filled Shells."

Wednesday, Oct. 31 — Geosciences, 4 p.m., Room 26 M.S. Clement H. Bruce, American Association of Petroleum Ge-

ologists Distinguished Lecturer, on "Pressured Shale and Related Sediment Deformation-Mechanism for Development of Regional Contemporaneous Faults."

Wednesday, Oct. 31 — Ceramic Science, 4 p.m., Room 244 Deike. Dr. A. G. Evans, National Bureau of Standards, on "Acoustic Emission from Ceramics."

Thursday, Nov. 1 — Chemistry, 12:45 p.m., Room 310 Whitmore. Dr. Donald Sechrist, University of Illinois, on "Molecular Scattering."

Thursday, Nov. 1 — French, 8 p.m., Room 112 Kern. Dr. Raymond L. LaCharité, University of Kentucky, on "Interpenetration in Fiberglass's Panataguel."

Thursday, Nov. 1 — Physics, 3:35 p.m., Room 117 Osmond. Moshe J. Lubin, University of Rochester, on "Recent Developments in Laser-Induced Thermodynamic Reactions."

Thursday, Nov. 1 — Agronomy, 3:55 p.m., Room 112 Kern. H. R. Fortmann, Agri. Exp. Station, on "Profitable Agriculture and Environmental Issues Are Compatible."

Thursday, Nov. 1 — Statistics, 3:30 p.m., Room 73 Willard. Oscar Kempthorne, Iowa State University, on "The Controversies on Probability and Inference."

Interest Groups

Alpha Phi Omega, Mondays, 7 p.m., Room 308 Bouché.

Archery Club, Mondays, Wednesdays, Thursdays, 7 p.m., Room 33 White.

Badminton Club, Fridays, 6:15 p.m., Rec Hall South Gym.

Chess Club, Wednesdays, 6:30 p.m., HUB card room.

Chess Team, Thursdays, 6:30-11 p.m., Room 105 Sackett.

Coed Gymnastics Club, Mondays, 7:30 p.m., Rec Hall South Gym. Tuesdays, 7:30 p.m., gymnastics room, White.

Eco-Action, Mondays, 8:30 p.m., Room 301 Bouché.

Focus on Sweden, Tuesdays, 7 p.m., Room 312 Bouché.

German "Kaffeestunde", Thursdays, 2:30-4:30 p.m., Room 217 Burrows.

Interlinda Folk Dancers, Sundays, 7:30 p.m., HUB ballroom.

Jazz Club, Thursdays, 8:30-9:30 p.m., Room 167 Willard.

Keystone Society, Wednesdays, 7:30-9:30 p.m., Room 304 Bouché.

S.L.M.S., Wednesdays, 8 p.m., Room 108 Forum; Thursdays, 8 p.m., Room 101 Chambers.

Swash Club, Mondays, 7 p.m., White. Informal competition.

Young Socialists, 7:30 p.m., Mondays, Room 167 Willard; Wednesdays, Room 62 Willard.

PSOC, Sailing division, Thursday, Oct. 25, 7:30 p.m., Room 214 Bouché.

College Republicans, Thursday, Oct. 25, 7 p.m., Room 369 Willard.

SKI Club, Thursday, Oct. 25, 7:30-10 p.m., HUB ballroom.

Campus Crusade for Christ, Monday-Wednesday, Oct. 29-31, 6:30-11 p.m., HUB assembly room. Speaker, Josh McDowell.

PSOC, Equestrian division, Tuesday, Oct. 30, 7:30 p.m., Room 111 Animal Industries.

P.S. Amateur Radio Club, Wednesday, Oct. 31, 7:30 p.m., Room 208 Eng. E.

Penn State Barbell Club, Wednesday, Oct. 31, 8:30-9:15 p.m., Room 273 Willard.

PSOC, Ski Clinic, Wednesday, Oct. 31, Oregon Hill.

Folklore Society, Thursday, Nov. 1, 8 p.m., Room 101 Kern.

PSOC, Canoe division, Thursday, Nov. 1, 7:30 p.m., Room 214 Bouché.

Official

Saturday, Oct. 27 — Written French and Spanish language examinations for advanced degree candidates.

Monday, Oct. 29 — Last date for a December graduate to deliver thesis to the Graduate School office.

Monday, Oct. 29 — Last date for department to certify completion of required papers for December graduates.

Monday, Oct. 29 — Last date for December graduates to order cap, gown, and hood locally.

Tuesday, Oct. 30 — First day for signing NDSL (National Direct Student Loans), SEOG Supplemental Educational Opportunity Grants, and University loans for Winter Term.

Friday, Nov. 2 — Last day for signing NDSL, SEOG, and University long range loans for Fall Term.

Films

Wednesday-Thursday, Oct. 24-25 — Commonsplace Theatre, 8 and 10 p.m., Room 112 Kern. "Little Caesar."

Thursday, Oct. 25 — International Films, 7 and 9 p.m., HUB assembly room. "Beauty and the Beast."

Thursday-Sunday, Oct. 25-28 — Arnold Air Society, 7 and 9 p.m., Room 105 Forum. "Il Gai."

Friday-Saturday, Oct. 26-27 — Student SF films, 7 and 9 p.m., HUB assembly room. "Little Shop of Horrors."

Saturday, Oct. 27 — Penn State Film Club, 11 p.m., HUB ballroom.

Tuesday, Oct. 30 — "Black Orpheus," to be shown in Comparative Lit 100, 7:30 p.m., Room 207 S. Human Development. English subtitles. Anyone interested may attend.

Wednesday, Oct. 31 — Commonsplace Theatre, 8 and 10 p.m., Room 112 Kern. "Mondo Cane."

Thursday, Nov. 1 — International Films, 7 and 9 p.m., HUB assembly room. "Variety Lights," directed by Fellini-Li-Lauda.

Friday-Saturday, Nov. 2-3 — Student SF Films, 7 and 9 p.m., HUB assembly room. "The 39 Steps."

Saturday, Nov. 3 — Free-UI children films, 12-30 p.m., Room 207 S. HUB assembly room. Cartoon Festival.



Alicia de Larrucha, brilliant Spanish pianist, will feature works by Chopin, Debussy, and Albeniz in her Artists Series program Friday (Oct. 26) at 8:30 p.m. in Schwab Auditorium. Tickets for the program are currently on sale at the HUB. The program next week will feature the Leningrad Philharmonic orchestra.

Lectures

Thursday, Oct. 25 — 7:30 p.m., Mineral Science Auditorium. Dr. Fernando Beaudante-Terry on "Some Contemporary Urban Developments in South America." Illustrated lecture.



Leningrad Philharmonic, directed by Maris Jansons, on Artists Series Nov. 1, in Schwab.

Artists Series has pianist Friday, Leningrad Philharmonic next week

Works by Mateo and Isaac Albéniz, Debussy, and Chopin are featured on the program of Alicia de Larrocha, the Spanish pianist who will perform Friday, Oct. 26, at 8:30 p.m. in Schwab Auditorium.

Winner of the Grand Prix du Disque, the Paderewski Memorial Medal, and the Spanish Order of Civil Merit, Alicia de Larrocha has been hailed for her "near-miraculous keyboard control," and "impeccable taste."

Along with presenting 20 recitals throughout the U.S., she will appear with the Baltimore, Cincinnati, New Orleans, Louisville, Pittsburgh, and St. Louis Orchestras this season.

Altoona band in first public appearance

Two campuses hold homecomings

Both Behrend College and Altoona Campus will be holding homecoming programs beginning next week.

Altoona Campus activities actually extend over a full week, beginning with a stage review Friday, Nov. 2. Crowning of the Homecoming Queen will be held Sunday, Nov. 4.

Certainly one of the highlights of the week will be the first public appearance of the 72-member Altoona Campus Cougar Band, which has been organized from among the students by the retired director of the Altoona High School band. The band's uniforms were purchased from the Hollidaysburg High School band. Organiza-

Any remaining tickets for her concert are available at the HUB.

Tickets for the Thursday, Nov. 1, appearance of the Leningrad Philharmonic will go on sale Monday, Oct. 29, at 9 a.m. at the HUB for students, and Tuesday, Oct. 30, for the general public. The Orchestra, under its guest conductor, Maris Jansons, will play at 8:30 p.m. in Recreation Bldg.

The program will feature violinist Viktor Liberman, who will play the Concerto for Violin and Orchestra, Op. 9/29 by the modern Russian composer Boris Tischenko, as well as Symphony No. 9, Op. 70 by Shostakovich and Tchaikovsky's Symphony No. 4 in F minor, Op. 36.

ing a band on a two-year campus has obvious difficulties. The band will march Nov. 8 in a community parade which will include floats and other marchers.

The Homecoming program will also include a stage review and class reunions Saturday, Nov. 9, and dance and class reunions Saturday, Nov. 10. Three or four bus loads of alumni, their families, and others interested, will travel to University Park for the Penn State-North Carolina State football game.

At Behrend, activities will include a reception Nov. 2 for alumni, faculty, staff, and students; campus tours, an alumni-student football game; and a dance Nov. 3.

Funny, moving play opens at Playhouse

The University Theatre production of "One Flew Over the Cuckoo's Nest" will open at 8 p.m. on Friday, Nov. 2, in the Playhouse Theatre with subsequent performances on Nov. 3 and 6 through 10.

Adapted by Dale Wasserman, the play is based on the best-selling novel by Ken Kesey. Richard Edelman, associate professor of theatre arts, will direct the production.

The play, set in the psychiatric ward of a hospital in the Pacific Northwest, involves the struggle of a freedom-loving young man in the orderly world of the hospital against the repressions of society. According to Edelman, it is a joyously funny and moving allegorical play that "wanders all over the comic map" with satirical and farcical humor of the nature of the popular "M.A.S.H." and "Catch-22."

"The play opened on Broadway before its time," Edelman continued, "and was overwhelmingly successful in its later San Francisco run. It expresses the feeling of the student revolt generation of the late '60s."

The cast of graduate and undergraduate students features theatre arts faculty Kay Doubleday and Manuel Duque in leading roles. Both are professional actors.

Miss Doubleday, who is teaching part-time this term, has performed extensively in movies, television and on stage, most recently, with Center Stage in Baltimore. Locally, she played Regina in the '71 Festival Theatre production of "Little Foxes." Duque, who taught at Bennington College, Bucknell University, and the University of Illinois before coming to Penn State in 1970, has directed many college and university productions, including the 1972 University Theatre production of "Hedda Gabler."

In its annual tour, Le Treteau de Paris

To perform Moliere's classic, "L'Avare"

One of Moliere's masterpieces, "L'Avare," ("The Miser"), will be performed in French by Le Treteau de Paris during its annual visit to the campus at 8 p.m. Tuesday, Nov. 6, in Schwab Auditorium.

Written in 1668, "L'Avare" has been described as simultaneously a comedy of character and manners. Moliere portrays the corrupting effect of the miser Harpagon's avarice both on himself and his children. Relationships between the father and his son and daughter who try to trick him are carefully detailed as are those between Harpagon and his servants.

Critics have pointed to the strong inner logic of the play. The character of the miser is clearly shown in the opening scenes, and all his subsequent speeches and reactions follow from it. This inner coherence enhances the comedy.

Tickets for the performance are available in S404 Burrows Bldg. and from Dr. Isabelle Armitage, 865-8481. They will go on sale at the HUB Desk from 8 a.m. to 5 p.m. beginning Oct. 30 and can also be



Georges Werier, as Cleante, and Diane Kurys, as Mariane, star in Moliere's "L'Avare," to be performed in French Tuesday, Nov. 6, in Schwab.

purchased at the box office the night of the performance.

IN WRITING

"Breeding Plants for Disease Resistance, Concepts and Applications," is a book recently published by the University Press, edited by Dr. Richard A. Nelson, professor of plant pathology. The book is dedicated to the late Dr. Clifford C. Wernham, who was professor of plant pathology and who began compiling the book before he died in 1969. The book focuses on methods to increase disease resistance in plants through breeding. Dr. Nelson wrote the first half of the book which deals with general considerations of the concepts, principles, and terminology of the subject. Dr. Walter I. Thomas, associate dean for research in the College of Agriculture, wrote a chapter, "Breeding Methods for Disease Resistance." Dr. Henry D. Gerhold, professor of forest genetics, wrote on "Forest Trees," which is in the second section of the book. This portion treats many of the important crop species specifically.

"The Coach," a text book written by Dr. Ralph J. Sabock, assistant professor of physical education, has been published by W. B. Saunders Co., Philadelphia. The 273-page book, specifically written for prospective high school coaches, is being used by students at the University in a physical education course entitled: "Methods and Principles of Athletic Coaching."

Dr. Stanley Weintraub, research professor of English and director of the Institute for the Arts and Humanistic Studies, is editor of a Louisiana State University Press book, "Saint Joan" Fifty Years After, 1923/24-1973/74. A chronological tracing is made of the best criticism of George Bernard Shaw's play, "Saint

Joan," from the time of its opening performance through five decades. Essays, articles, reviews, and critiques are included, and Dr. Weintraub has written a critical introduction to the book, which also includes a survey of the impact of the play on the French people, and a discussion of the play by Shaw himself.

The fatal attraction of totalitarianism to the West is the subject of a new book, "A Critique of Totalitarianism," by Dr. R. A. Preisner, professor of German.

The 400-page volume has been published by Academia Christiana in Rome, and a 600-page sequel will appear next year.

Although economics — Czarist mismanagement or the German inflation after World War I — has been stressed as the principal cause of totalitarian take-overs, Dr. Preisner believes that spiritual reasons are equally important, and his book traces these reasons back to the religious, spiritual, and political crises of the 17th century.

"Western civilization today has no real answers for the questions people ask about the meaning of existence," he comments. "But many young people want quick and easy answers, so they turn to totalitarian ideologies, because they seem to promise solutions to life's problems."

The objects of the book's analysis and criticism range from Hegel and Marx to contemporary theorists of ideological trends. The sharpest criticism is aimed at the classical formulations of totalitarianism in Communist doctrine, not only in Europe but as it has developed worldwide. The book also deals with some of the newer revisions of classical Communist ideology.

Staff vacancies

To make application for the vacancies listed below call 865-1387 (Network 465-1387) no later than:

5 p.m. Thursday, Nov. 1, 1973

NURSE INTERCOLLEGIATE RESEARCH PROGRAM

University Park
Responsible for assisting with physical examinations within the Human Performance Laboratory. Assist with usual health record maintenance and a variety of data gathering tasks. A Bachelor's degree, or equivalent, and an R.N. plus two years of laboratory experience are desired.

RESEARCH AIDE COLLEGE OF SCIENCE

University Park
Responsible for setting up, using and maintaining various types of research equipment and for conducting experiments on the cellular structure of bones. A Bachelor's degree in biology, chemistry, biochemistry or microbiology, or equivalent, plus at least one year of related experience are desired.

ENGINEERING AIDE COLLEGE OF ENGINEERING

University Park
Responsible for the maintenance of Reactor control and support electronic equipment and for duties as Reactor Operator An Associate degree in Electronic Technology or equivalent, and work related experience are desired.

Applications for staff vacancies are considered without regard to race, color, creed, sex, or national origin.

Exhibits

Museum of Art — Three Swiss Painters. Daily showing at 1 and 3 p.m. of half-hour film of Cuno Amiet. Guided tours, 2 p.m., Tuesdays and Thursdays.

Zotter Gallery, Visual Arts — Super Mud '73. BFA Show, opening November 4.
Pattee Library, Main Lobby — Display of Esperanto materials. John Pettus, pen and ink drawings.



SUPERMUD The annual national student invitational ceramics exhibit currently on display at the 2nd Floor includes a sculpture by Pamela Turner, graduate student in art.

PENN STATE intercom

Volume 3, Number 9

November 1, 1973

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

News in brief

AAUW COLLECTING BOOKS

Books of all types and quality magazines are being collected by the American Association of University Women for the annual Used Book Sale benefitting scholarships. Donations may be dropped off at 2-E Graduate Circle or pick-up arranged by calling Mrs. Pat Clark, 238-6275.

The AAUW Used Book Sale has been an annual Spring event for the past twelve years. Proceeds benefit graduate scholarships and local educational projects such as Centre Area Health Council for Tel-Med, Family Planning Council, Youth Employment Service, Child Development Council, and Schlow Memorial and Centre County Libraries.

FRENCH PLAY

Tickets will be available at the door of Schwab Auditorium for the performance Tuesday, Nov. 6, at 8 p.m. of Moliere's classic play, "L'Avare," by the acting company, Le Troupeau de Paris. Tickets are \$2.25 for students and \$3.00 for non-

students. The play ("The Miser") is considered the most popular of Moliere's plays over the span of 300 years since it was written and first performed. It has played at the Comedie-Francaise 2,162 times alone and abroad has surpassed his other plays, even in China, where it is especially relished for its tragicomic portrait of compulsive avarice.

HORN AND PIANO

The noted British musicians Ifor James, French horn player, and James McCabe, pianist and composer, will present a recital Wednesday, Nov. 7, at 8:30 p.m. in the Music Bldg. recital hall during a visit to the campus which will last from Nov. 5 through Nov. 9.

Their appearance is being sponsored by the Institute for the Arts and Humanistic Studies through the cooperation of the Music Department.

James is well known for his performance of high horn parts in Baroque music and for his interpretation of contemporary works, which many composers have written for him. This is his second visit to Penn State, since he performed here in 1971 with the Philip Jones Brass Ensemble at an Artists Series presentation.

McCabe has written in most of the established forms, and his work has been recorded and performed widely. His repertoire as a pianist ranges from Haydn and Mozart to Webern and Schoenberg.

The two men will conduct masters classes and give private lessons while at the University. McCabe is also scheduled to speak at composition seminars, while James will work with the Brass Choral.

DIFFERENT FOODS?

Interested in new and different foods? Dinners featuring specialties of different countries are held twice weekly in the Maple Room of the Human Development Building, the work of students in FSHA 410. Each dinner is an authentic production in the style and atmosphere characteristic of the area being featured. Service is at 5:30 p.m.; meals cost between \$4.50 and \$6.00, depending on the specific meal. Reservations are required and may be made live or six days in advance (and early reservations are urged, since some patrons have been turned away for lack of space). Meals in the near future

(Continued on page four)

L.A. dedication Friday; talk by Dr. Clark Kerr

Dr. Clark Kerr, chairman of the Carnegie Commission on Higher Education and former president of the University of California, will present a public lecture Friday, Nov. 2, at 2 p.m. in Room 112 Kern Bldg. in connection with the dedication of the Liberal Arts Building. He will discuss the role of the liberal arts in the coming decade of higher education.

Following his talk, there will be an open house at the building for all members of the University community. Dr. Stanley F. Paulson, dean of the College of the Liberal Arts, has announced. There will also be an invitational luncheon prior to the lecture.

During the six years Dr. Kerr has served as its chairman and executive director, the Carnegie Commission has published more than 50 studies covering almost every phase of higher education, and its recommendations have begun to affect not only colleges and universities but also federal policies for their support.

Dr. Kerr served as chancellor of the University of California from 1952 to 1958 and as its president from 1958 to 1967. He began his career as an economist, teaching at Antioch College, Stanford University, and the University of Washington before joining the Berkeley faculty in 1945.

He currently holds the titles of professor of economics, professor of industrial relations, and research economist at Berkeley, and is an Honorary Fellow of Merrill College at the University of California at Santa Cruz.

Pivot on sale

The 24th anniversary issue of *Pivot*, the highly successful poetry magazine produced by the Poetry Workshop, went on sale yesterday at various points on campus and in the community.

Along with the announcement of the winners of the seven prizes for best poems printed in *Pivot*, the issue is highlighted by a poem by Eugene J. McCarthy, the former Senator from Minnesota. His poem is one of three he composed on the poet Robert Frost. A previous poem by the senator, titled "Tamarack," was printed in the 1968 issue of *Pivot*.

Joseph L. Grucci, associate professor of English who founded and has directed the Workshop, was one of three who judged the poems appearing in the issue to determine the winners of the seven \$25 prizes provided by various donors. Pauline M. Fisher and Jack McManis were also judges.

CALENDAR

INTERCOM welcomes information from faculty, staff, and student organizations and departments to be included in the term calendar. There are obviously some space limitations, but every effort will be made to include those items which have some general appeal and to a certain extent those items which are very specialized. Information is now being sought for the Winter Term calendar which will be printed in the issue of December 6. Send such information immediately to INTERCOM, 312 Old Main.

Tolerance for hard work began in depression days

Dr. Spackman fills many roles in professional, public life

Although it's one of man's oldest fuels, surprisingly little research has been done on coal.

"Historically, the coal industry consisted of many small companies, which could not afford to support research," explains Dr. William Spackman. "Their philosophy was to dig coal and sell it to the consumer in as close to mine condition as possible."

"The stimulus wasn't there to develop the same kind of knowledge as the oil industry, which has to refine its products before they can be used."

Dr. Spackman, a professor of paleobotany, is director of the Coal Research section in the Earth and Mineral Sciences Experiment Station. Because Penn State has established a preeminent position in coal research, he is currently seeing a steady stream of visitors eager to assess the role of coal in helping solve the energy crisis.

Despite manifold duties as an administrator, Dr. Spackman has remained active in research, continues to teach, and recently finished four years as president of Centre Community Hospital's Board of Trustees during the period when the planning and construction of the new Mount-alnview unit was completed.

Also, as the owner of the oldest house in the county — it was built in Aaronsburg in 1789 — he never lacks work at home. It being all but impossible to attract workmen to do the painstaking renovation an 184-year-old structure requires.

Dr. Spackman is probably best known for his research in coal petrology and its use as a tool in predicting the quality of the metallurgical coke burned by the steel industry in their blast furnaces. Since 1957, he has been president of the International Commission for Coal Petrographic Nomenclature, which meets annually to standardize terminology and analytical methods in the field of coal petrology.

He has also compiled and published the 36-volume "Catalog of Fossil Spores and Pollen" and spent many months in the Florida Everglades studying the develop-

ment of modern organic sediments. At present, he is supervising efforts to collect and classify data on all the important coal reserves in the Nation while seeking to establish relationships between coal characteristics and their gasification and liquefaction behavior.

Hard work is no novelty to Dr. Spackman. Growing up in Chicago during the Depression, he originally had no thoughts of college. However, on completing high school, he found a job in a laundry, and by dint of working there 40 hours a week managed to get an associate degree from North Park College in 1940. His parents

cashed in their insurance, enabling him to register at the University of Illinois and obtain a B.S. in botany.

"I was certain that I'd never get any further," he recalls, "so I took enough credits in education to be able to teach in the secondary schools. Then, being interested in the Boy Scout movement, I went to their national training school and served two years on the Chicago Council."

"This was during the war, and one day a former botany professor of mine from Illinois called me to ask if I would accept a position at the Philadelphia Naval

(Continued on page two)



Dr. William Spackman, with a palm, a highly specialized tree, representing one of the most recent products of plant evolution.

Office . . .

Three campuses seek associate directors

Dr. Robert G. Quinn, dean of academic instruction for Commonwealth Campuses, and the campus directors of New Kensington, McKeesport and Shenango Valley jointly announce the opening of the associate director for academic affairs position at each of the respective campuses.

The associate director for academic affairs will serve as the chief academic officer of the campus. This individual will, under the supervision of the campus director, be responsible for providing leadership and developing and maintaining academic programs in resident and continuing education. Other areas of responsibility include local community relations, planning, recruitment, evaluation and development of faculty, student development programs, course scheduling, end credits and participation in other campus and university activities.

Applicants for this position are expected to have a doctoral degree and a minimum of five years of experience in teaching and administration of higher education. Letters of nomination or letters of application should be directed to: Dr. Robert G. Quinn, dean of Academic Instruction for Commonwealth Campuses, 205 Old Main, University Park, PA 16802, by November 30, 1973.

Search committee named for Allentown post

President Oswald has appointed an Advisory Search Committee to assist him in the evaluation of candidates for the position of director for the Allentown Campus. Members of the committee are drawn from faculty, administration and the student body of the University.

The Advisory Search Committee is chaired by Russell N. DeVinny, associate professor of English (Allentown). Other committee members are Robert A. Bartkowski, associate professor of engineering (Allentown); Jane W. Schooley, instructor of speech (Allentown); Dr. William McKehe, associate professor of art and assistant dean of the College of Arts and Architecture (University Park); Dr. John O. Sink, professor of mass science (University Park); Marjorie F. Smith, director of Media and Learning Resources (University Park); Charles J. Smith, director of Student Government Association (University Park); and Eduardo F. Garcia, president of the Allentown Campus Student Government Association.

The Advisory Search Committee is to identify those candidates who can provide the ideal blend of professional leadership and competent administration of the Allentown Campus. The committee will receive suggestions and nominations from sources both within and outside the University. These should be forwarded to Dean Robert G. Quinn, dean of academic instruction for Commonwealth Campuses, 205 Old Main, University Park, Pennsylvania 16802, by no later than November 15, 1973.

Folklore society program Sunday

The Folklore Society will offer "A Night of Bluegrass" Sunday, Nov. 4, at 8 p.m. in Schwab Auditorium.

Seven performers who call themselves the "Breakfast Special" are featured. They include Kenny Kestel, Andy Stratton, Martin and sax; Tony Trischka, banjo and pedal steel; Jim Tullies, guitar and vocals; Stacy Phillips, dobro; and Roger Masson, bass. Richard Cooks will play drums for a few numbers.

Although a relatively new group, the Breakfast Special musicians have performed separately as "back-up" musicians for such performers as David Bromberg, Bob Dylan, Doug Sahm, Goose Creek Symphony, and the Grateful Dead. Their repertoire, in addition to bluegrass, includes country, jazz, Hawaiian, and some rhythm and blues.

Also appearing at the concert will be Lewis London, who performed at the Commonwealth Canteenhouse earlier this fall. He plays a wide variety of instruments and has appeared with the legendary "Bottle Hill."

Tickets for the concert are on sale at the HUB and the Record Ranch and can also be obtained at the door the night of the performance.

Staff Vacancies

To make application for the vacancies listed below call 855-1387 (Network 465-1387) no later than:

5 p.m., Thursday, Nov. 15, 1973

ADMINISTRATIVE ASSISTANT Belmont College

Responsible for coordination of Academic Registration and Scheduling Activities. Provides general assistance in developing supporting services for the academic program. A bachelor's degree or equivalent and 1 to 2 years administrative experience are preferred.

GRAPHIC ARTIST University Park

Responsible for art and lettering in the production of visual aids and displays, preparation of graphs, charts and related material. An associate degree or graduation from a two-year art institute program and over two years of related experience are preferred.

MATERIALS MANAGER Hershey Medical Center

Responsible to the Associate Provost for Administration for the development and implementation of the total materials handling program. Duties include control of the specification, purchase, receipt and storage, inventory and storage, issue and use of Medical Center equipment and supplies. A bachelor's degree or equivalent and at least four years of effective material purchasing experience are preferred.

Volume 3, No. 9

November 1, 1973

Penn State INTERCOM is a weekly publication for the academic community of The Pennsylvania State University, published each Thursday. When classes are in session, general information and items for the calendar should be sent to the editor by Tuesday of the week preceding publication date, Room 312 Old Main.

Editor: W. F. Ackerman Phone 855-7517

SPACKMAN —

(Continued from page one)

Shipyard working on problems of wood decay. I wanted to continue in science, and my job with the Scouts had convinced me that I wasn't cut out to be a fund raiser — which is somewhat ironic in view of all the money I've had to raise for research projects at Penn State!

After the war, Dr. Spackman obtained a fellowship and earned his M.A. and Ph.D. in biology at Harvard, graduating in 1949, the year he came to Penn State.

"I was brought here," he notes, "to develop a program in paleobotany in four major areas. The first was paleontology, the study of fossil species and pollen. Dr. G. O. W. Krenp of the German Geological Survey helped me set up this program, which is now directed by Dr. Alfred Traverse."

Coal petrology was the second area to which Dr. Spackman turned his attention after U.S. Steel approached him in 1951 because of problems it had encountered with certain coals used in coking.

"I didn't know anything about coal at the time," Dr. Spackman continues, "but their support enabled me to get started in this sub-science. As the research began to bear fruit, other companies became interested, and we developed an instructional program. Initially Dr. Russell Durbin assumed responsibility for this area, and it is now headed by Dr. Alan Davis."

With these two projects well launched, Dr. Spackman felt free to work up two other areas of paleobotany. One of these was classic paleobotany, which encompasses the study of fossil woods and of what Darwin called the "abominable mystery," the origin of flowering plants. The other was the study of modern organic sediments as a means to understanding the origin of coal.

In the Florida Everglades, conditions today approximate those when coal deposits were formed. Dr. Spackman and his colleagues have studied the rates of deposition of peat in the swamps to establish a relationship between coal and peat which would allow them to reconstruct the geological sequences of coal formation.

Not content with professional activities alone, Dr. Spackman believes that he has an obligation to his fellow man to try and help the world go 'round just a bit more smoothly. It was this attitude which led him to take on the many hours of work involved in heading the Hospital's Board.

He is particularly pleased by the success of the family out-patient clinic. During its first year of operation, 16,000 persons used the new facility. He also feels that the new hospital is attracting more physicians to the Centre Region.

Taking on an 184-year-old house, however, was not completely his idea.

"My wife has always been interested in early American houses and antiques," he notes. "On a trip to Illinois in 1954, I called home to report my sad arrival, and she told me that the oldest house in the area has just come on the market and asked if she could just go look at it."

"I said, 'Yes,' and that was my mistake."

A Letter to the Faculty:

(The following letter was sent to all members of the faculty this week by Provost Russell E. Larson.)

On June 8, 1973, President John W. Oswald wrote to you concerning the matter of collective bargaining for the faculty of the University. Among other points, the President stated that he hoped that members of the faculty would temporarily discontinue the signing of authorizations, a call which designated an employee organization as the faculty member's exclusive agent for collective bargaining purposes and which required an election by the Pennsylvania Labor Relations Board of an exclusive bargaining agent. President Oswald hoped that the signing of such cards could be deferred until the Faculty Senate had adequate opportunity to consider and report to the faculty on the implications of collective bargaining for the University community.

As you know, efforts are now being made to collect signed authorization cards from the faculty, although the Faculty Senate has not yet completed its consideration of this important matter. If 30% or more of the faculty of the entire University sign authorization cards before the Faculty Senate has reported to the faculty, consideration of the Senate's report could take place in the context of an election ordered by the Labor Relations Board, i.e., during a campaign between competing adversaries. I urge that consideration of the card signing process await the conclusion of the Senate's report of this important question, so that we all may make dispassionate, scholarly and objective evaluations of its many implications.

It is your right, of course, to sign authorization cards at this time if that is your decision. However, I would remind you of the legal aspects and consequences of the document you may be asked to sign.

FIRST, an authorization card is more than a request for an election. It is a legal designation of the employee organization as the individual faculty member's exclusive agent to bargain on wages, hours and terms and conditions of employment. The employee organization must be certified by the Labor Relations Board in order to bargain on behalf of the faculty. However, it is possible for the employee organization to be certified without an election. Act 195 and the Regulations of the Labor Relations Board permit certification without an election where the employer and the employee organization jointly request certification and show to the Board authorization cards signed by a majority of the members of an appropriate bargaining unit. Thus, it is possible that the signing of an authorization card now could result in the establishment of collective bargaining at the University either with or without an election.

SECOND, you do not have to sign an authorization in order to vote in any subsequent election.

THIRD, if you sign an authorization, it does not commit you to vote for that employee organization if an election to determine a bargaining agent is held.

FOURTH, your refusal to sign a card now will in no way affect your status should an employee organization subsequently win an election.

FIFTH, although the signing of an authorization card does not commit you to join the organization, it does grant authority to the employee organization to seek certification by the Board. An employee organization which is certified by the Labor Relations Board is the exclusive agent for all of the members of the bargaining unit. Exclusivity gives the bargaining agent fundamental legal rights under the law not granted to the individual or other faculty organizations.

In my opinion, the only reason for signing an authorization card at this time is because you are uneasily in favor of collective bargaining. If you have not yet made up your mind, signing an authorization card may force a decision before you have had opportunity for full consideration.

Funding Opportunities

For more information, call 855-1702 except where noted below, and refer to the item by its number and the general information provided. People with grants information for dissemination in this column should call the same number.

November 1, 1973

(103-1) The National Science Foundation (NSF) funds Grants for Computing Activities, such as: (1) basic research; (2) Computer Science and Engineering consisting of theoretical computer sciences, software and programming systems, and computer systems design; (3) Computer Application in Research consisting of networking for science, techniques and systems and software widely research; and (4) Computer Impact on Society.

(103-2) The purpose of NSF's National R&O Assessment Program is to supply objective analysis and define options which would enhance the contribution of science and technology to the nation. Activities include: (1) encourage research that will provide greater insight into technological and national purposes; (2) support research that will empirically verify and uncover cause-effect relationships used to plan and evaluate technological innovation; and (4) supply objective analyses of policy options related to R&O/technological innovation. About 20 to 25 external grants and contracts are awarded each year. It is estimated that \$2 million will be available for this in FY 1974. An initial descriptive letter is required, followed by applicant description with the program office prior to proposal submission. Dr. Irwin Feiler of the Department of Economics has received an R&O Assessment award.

(103-3) The purpose of the National Science Foundation for the Improvement of Postsecondary Education (FIPSE) has \$10 million appropriated for FY 1974 — \$2.2 million to be committed to on-going projects and \$7.8 million for about 20 competency-based education programs for teachers, \$2.8 million for projects on faculty motivation, and \$2.8 million for general competency-based education. Research will not be funded. The program is designed to sponsor improvements and innovations in education beyond those categorical programs which focus on research facilities and professional development. Priorities include new approaches to teaching and learning, revitalization of institutional missions, support of new missions, and new programs. For more information, call Dec. 15, 1973, for preliminary proposals for competency-based and faculty motivation programs, and Jan. 15, 1974, for final proposals for the above two programs and for the general competition. Contact for this

program is: Dr. Virginia Smith, Fund for the Improvement of Postsecondary Education, 400 Maryland Ave., S.W., Washington, D.C. 20002 (202-861-3811). Guidelines will be available soon.

(103-4) The Office of Right-to-Retire Programs plans to solicit proposals in the near future. There are four components under the program — skill based, demonstration projects, adult competencies, and research and development grant-based projects. Only the latter component will have available \$1 million for "new starts." Guidelines information will be available soon. The application deadline is: Mr. Conrad O'Right to Retire, U.S. Office of Education, Washington, D.C. 20002 (202-691-1653).

(103-5) The Alfred P. Sloan Foundation is expected to spend \$12 to \$15 million in the next five to seven years to enhance minority opportunities in the engineering profession. Percy A. Pien, dean of engineering at Howard University, will head the program, dividing his time between the university and the foundation.

(103-6) Danforth Foundation (222 S. Central Ave., St. Louis, Mo. 63105) has set Dec. 1, 1973 as the deadline for nominations for K&E Fellowships. People who are vitally interested in relating their educational plans to their values and who are planning college teaching careers may apply. Applicants must have completed at least one year of graduate study as of Sept. 1973, and must be 26 years of age and hold a master's or related major. The stipend is \$2025 for a single student, \$2200 for a married couple. GRE scores are required, and Nov. 20 is the deadline for GRE scores. Applications are to be submitted by a Kent or Danforth Fellow or by a graduate faculty member. Forms are available at the address given above.

(103-7) American Water Works Association (2 Park Ave., New York 10017) invites applications for three prizes of \$500, \$250 and \$125 for the best thesis to water supply. Applicants should submit a manuscript suitable for publication based on a thesis for which a degree was awarded between Nov. 1972 and Oct. 1973. The application deadline is Nov. 10. Write to address given above to more data.

(103-8) Peterhouse College, Cambridge University, England, invites applications for the Peterhouse Research Scholarship for senior or graduate students wishing to study at the college. Fellows receive 1750 pounds/year (US\$250), a dormitory allowance (US\$100), and a 30% discount on books for three years. Interested men under 30 should write to the Master of the college requesting application forms and instructions. The application deadline is Nov. 15. Research fellowships for men under 25 planning to seek Ph.D. at Cambridge are also available. Further information will be available on request. Write to the college. Application deadline is April 1, 1974. Studentships pay 700 pounds/year plus

University Calendar

November 1-11, 1973

Special Events

Thursday, Nov. 1 — Air Force ROTC program, "What's Air Force ROTC All About?" 7:30 p.m., Black Cultural Center. Film and question and answer period.

Thursday, Nov. 1 — Faculty Women's Club luncheon lecture, 12:30-2 p.m., HUB Dining Rooms A, B, C.

Thursday, Nov. 1 — Artists Series, Leningrad, University of Kentucky, on "Interpenetration in Rabelais's 'Panatagruel'." 8:30 p.m., Music Bldg. recital hall.

Friday, Nov. 2 — Open House, 3-4 p.m., at the Liberal Arts Bldg. to mark dedication of the building.

Friday, Nov. 2 — Penn State Brass Chorus, 8:30 p.m., Music Bldg. recital hall.

Friday, Nov. 2 — Folk and Square Dance Roundup, 7:30-10 p.m., North Gym White.

Friday, Nov. 2 — Commonsplace Coffee-house, 8 p.m., Room 102 Kern.

Friday-Saturday, Nov. 2-3 — University Theatre, "One Flew Over the Cuckoo's Nest." 8 p.m., The Playhouse.

Friday-Saturday, Nov. 2-4 — Sports: Women's field hockey, Susquehanna Field Hockey Tournament.

Saturday, Nov. 3 — Sports: Rugby, vs. Kent State, 2 p.m.

Saturday-Sunday, Nov. 3-4 — The Press Association Fall Training Conference; registration in HUB lobby 12 noon, Saturday.

Sunday, Nov. 4 — Chapel Service, 11 a.m., Eisenhower Chapel, Charles L. Coleman, Religious Affairs.

Sunday, Nov. 4 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

Sunday, Nov. 4 — Open men's and women's fencing tournament, for members of Amateur Fencers League of America, beginning at 8 a.m., Room 69 Recreation Building.

Tuesday, Nov. 6 — Le Troupe de Paris in Mollere's "L'Avare." 8 p.m., Schwab. Tickets for students are \$2.25, \$3.00 for adults. Sponsored by French Department.

Tuesday-Saturday, Nov. 6-10 — University Theatre, "One Flew Over the Cuckoo's Nest." 8 p.m., The Playhouse.

Tuesday-Wednesday, Nov. 6-7 — Bloodmobile, sponsored by Alpha Phi Omega, 9 a.m.-5 p.m., HUB ballroom.

Wednesday, Nov. 7 — For James, French horn, John McCabe, piano, 8:30 p.m., Music Bldg. recital hall.

Wednesday-Friday, Nov. 7-9 — Five O'Clock Theatre, "Silverstein and Co." Pavilion Theatre, Wednesday and Thursday, 5:20 p.m.; Friday, 7:20 p.m.

Friday, Nov. 9 — Sports: Soccer, vs. Temple, 7 p.m.

Friday, Nov. 9 — Commonsplace Coffee-house, 8 p.m., Room 102 Kern.

Friday, Nov. 9 — Free-U social event, 7:30-11:30 p.m., HUB ballroom.

Saturday, Nov. 10 — PSU Symphony Orchestra, 8 p.m., Schwab.

Saturday, Nov. 10 — Sports: Football, vs. North Carolina State, 1:30 p.m., Rugby, vs. Chesapeake, 2 p.m.

Sunday, Nov. 11 — Penn State Glee Club, 3:30 p.m., Music Bldg. recital hall.

Sunday, Nov. 11 — Chapel Service, 11 a.m., Eisenhower Chapel, Dr. Richard Jungkuntz, Provost, Pacific Lutheran University, Tacoma, Washington.

Sunday, Nov. 11 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

Seminars

Thursday, Nov. 1 — Chemistry, 12:45 p.m., Room 310 Whitmore. Dr. Donald Seacrest, University of Illinois, on "Molecular Scattering."

Thursday, Nov. 1 — French, 8 p.m., Room 112 Kern. Dr. Raymond L. LaCharle, University of Kentucky, on "Interpenetration in Rabelais's 'Panatagruel'."

Thursday, Nov. 1 — Physics, 3:35 p.m., Room 117 Osmond. Moshe J. Lubin, University of Rochester, on "Recent Developments in Laser-Induced Thermo-nuclear Reactions."

Thursday, Nov. 1 — Agronomy, 3:55 p.m., Room 112 Kern. H. R. Fortmann, Agril. Exp. Station, on "Profitable Agriculture and Environmental Issues Are Compatible."

Thursday, Nov. 1 — Statistics, 3:30 p.m., Room 73 Willard. Oscar Kempthorne, Iowa State University, on "The Contradictions on Probability and Inference."

Thursday, Nov. 1 — Physics, 3:45 p.m., Room 119 Osmond. J. D. Whitehead, Queensland University, Australia, on "Looking at Atmospheric Waves by HF Radar."

Thursday, Nov. 1 — Meteorology, 3:55 p.m., Room 26 M.S. Dr. John Clay, aerospace engineering, on "Typhoons and the East China Sea."

Monday, Nov. 5 — Entomology, 4 p.m., Room 204 Patterson. Dr. Roger Ratcliffe,

USDA, Beltsville, Md., on "Host Plant Resistance to Insects."

Monday, Nov. 5 — Biochemistry, 11:10 a.m., Room 101 Althouse. D. Horton, Ohio State University, on "Structural Characterization of Sugars by Physical Methods."

Monday, Nov. 5 — Analytical Chemistry, 1 p.m., Room 310 Whitmore. Winter Term program discussion, organizational meeting.

Monday, Nov. 5 — Genetics, 3:55 p.m., Room 111 Tyson. Susan Sehn on "Evidence for Genetic Control of Aging: Thymic Involution."

Monday, Nov. 5 — Microbiology, 4 p.m., Room 350 Frear. Dr. R. P. Novick, Public Health Research Institute, New York, on "The Plasmid Life Cycle."

Tuesday, Nov. 6 — Astronomy, 4 p.m., Room 405. Dr. Frank Zabriske, on "The New 60-inch Telescope."

Tuesday, Nov. 6 — Geosciences, 4 p.m., Room 26 M.S. Dr. Robert F. Schmalz, geology, on "The Shape of Coeducation in Action."

Tuesday, Nov. 6 — Biochemistry, 11:10 a.m., Room 101 Althouse. D. Horton, Ohio State University, on "Role of Chemical Synthesis in Relation to Carbohydrate Biochemistry."

Tuesday, Nov. 6 — Engineering Mechanics, 4 p.m., Room 215 Hammond. Ralph Leibowitz, Naval Research and Development Center, Bethesda, Md., on "Turbulence Induced Vibration and Acoustic Radiation from Plates."

Tuesday, Nov. 6 — Graduate Air Pollution Control, 2:20 p.m., Room 140 Fenske. Dr. James M. McCabe, associated with the department of physics and chairman, Union of Concerned Scientists, MIT, on "The Energy Crisis — An Environmentalist's Point of View."

Tuesday, Nov. 6 — Physics Solid State 1 p.m., Room 339 Davey. Dr. Daryl Boureaux, Allied Chemicals, Morristown, N. J.

Tuesday, Nov. 6 — Comparative Literature luncheon, 12:15 p.m., HUB Dining Room. A. John McCabe.

Wednesday, Nov. 7 — Ceramic Science, 4 p.m., Room 244 Deike. Professor Jean R. Blaché, University of Pittsburgh.

Wednesday, Nov. 7 — Fuel Science, 4 p.m., Room 341 Deike. Dr. James Stephenson, ceramic arts, on "Design of Primitive and Modern Ceramic Kins."

Wednesday, Nov. 7 — Ecology, 9:30 a.m., Room 101 Kern. Robert L. Butler on "Survival of Fishes in Relation to Cover."

Thursday, Nov. 8 — Meteorology, 3:55 p.m., Room 28 M.S. Dr. Kenneth H. Bergman, National Research Council of Canada, on "Problems of Data Assimilation in the Numerical Weather Predictions."

Thursday, Nov. 8 — Physics-Chemistry, 3:30 p.m., Room 117 Osmond. G. Herzberg, National Research Council of Canada, on "Experimental Tests of the Quantum Theory of Molecular Hydrogen."

Thursday, Nov. 8 — Chemistry, 12:45 p.m., Room 310 Whitmore. T. G. Traylor, University of California, San Diego, on "Mechanisms of Oxygen Transport by 'Heme Proteins'."

Thursday, Nov. 8 — Electrical Engineering, 3 p.m., Room 329 E.E. East. Dr. Martin Buehler, Electronics Technology Div., National Bureau of Standards, on "Detection of Dopants Defects in PN Junctions and MOS Capacitors."

Thursday, Nov. 8 — Agronomy, 3:55 p.m., Room 301 Abt. Agr. Adm. G. E. Schulz, Proj. Engineer, R & D, Cilmox Molybdenum, on "Industry, Air Pollution and Agriculture."

Thursday, Nov. 8 — Philosophy, 4 p.m., Laurel Room, Nittany Lion Inn. Dr. Cyril Welch, Mt. Allison University, and Dr. Theodore Seebom, on "History and Language."

Friday, Nov. 9 — Chemical Engineering, 9:35 a.m., Room 101 Althouse. Dr. Douglas J. Wilde, Stanford University, on "Optimization, Fluidized Reactors, and Machine Tolerances."

Friday, Nov. 9 — Statistics, 4 p.m., Room 73 Willard. Robert Clickner, Temple University, on "Excessive Deviations and Efficiency."

Interest Groups

Alpha Phi Omega, Mondays, 7 p.m., Room 308 Boucke.

Archery Club, Mondays, Wednesdays, Thursdays, 7 p.m., Room 33 White.

Badminton Club, Fridays, 6:15 p.m., Rec Hall.

Chess Club, Wednesdays, 6:30 p.m., HUB card room.

Coed Gymnastics Club, Mondays, 7:30 p.m., Rec Hall South Gym; Thursdays, 7:30 p.m., gymnastics room, White.

Coed-Action, Mondays, 8 p.m., Room 310 Boucke.

Free-U, Mondays, 7:30 p.m., Room 203 HUB.

Gamma Sigma Sigma, Tuesdays, 7 p.m., Room 309 Boucke.

Interludia Folk Dancers, Sundays, 7:30 p.m., HUB ballroom.

Jazz Club, Thursdays, 8:30-9:30 p.m., Room 167 Willard.

Keystone Society, Wednesdays, 7:30-9 p.m., Room 304 Boucke.

S.I.M.S., Wednesdays, 8 p.m., Room 108 Forum; Thursdays, 8 p.m., Room 101 Chambers.

Squash Club, Mondays, 7 p.m., White. Informal competition.

Young Scientists, 7:30 p.m., Mondays, Room 167 Willard; Wednesdays, Room 62 Willard.

Folklore Society, Thursday, Nov. 1, 8 p.m., Room 101 Kern.

PSOC, Canoe division, Thursday, Nov. 1, 7:30 p.m., Room 214 Boucke.

Students Against Fire, Friday, Nov. 1, 7:30 p.m., Room 71 Willard. All students of any major are invited.

Alpha Lambda Delta, Monday, Nov. 5, 7-9 p.m., Room 67 Willard.

Eastern Orthodox Christian Fellowship, Sunday, Nov. 4, 10:00 a.m., HUB assembly room.

Volunteer Service Center, all-volunteer "get-together" and rap session, Monday, Nov. 5, 7 p.m., Room 203 HUB.

Penn State Sports Parachute Club, Tuesday, Nov. 6, 7:30 p.m., Room 362 Willard.

Nittany Grotto, Tuesday, Nov. 6, 7:30 p.m., Room 273 Willard.

PSOC Ski division, Wednesday, Nov. 7, 7:30 p.m., Room 121 Sparks.

Christian Science Organization, Thursday, Nov. 1, 7:30 p.m., Room 201 Rackley.

Pre Vet Club, Wednesday, Nov. 7, 8:10-30 p.m., HUB assembly room. Dr. Joseph Skelly, chairman, Selections Committee, University of Pennsylvania Veterinary School.

Penn State Sports Car Club, Wednesday, Nov. 7, 7:30-9 p.m., Room 365 Willard. Speaker.

PSOC Sailing division, Thursday, Nov. 8, Room 214 Boucke.

Students For State, Tuesdays, 7:30 p.m., Room 71 Willard.

Lectures

Friday, Nov. 2 — Dr. Clark Kerr, chairman, Carnegie Commission on Higher Education and former President of the University of California, will speak on the role of Liberal Arts in the coming decade of higher education at 2 p.m., Room 102 Kern.

Thursday-Friday, Nov. 8-9 — EMS Nelson W. Taylor Lectures by Dr. Linus Pauling, 8 p.m., Room 112 Kern. Thursday: "The Structure of Metals and Alloys;" Friday, "The Structure of Atomic Nuclei."

Saturday, Nov. 10 — Dr. Linus Pauling, sponsored by University Committee on Inter-national Programs, on "Vitamins and International Health," 8:30 p.m., Room 112 Kern.

Thursday, Nov. 8 — (Interdisciplinary) "General Systems Theory and Interdisciplinary Education," 4 p.m., HUB Assembly Room. Dr. Anthony Wilden, U. Cal at San Diego, on "Transdisciplinary Models in the Life and Social Sciences."

Friday, Nov. 9 — (Interdisciplinary) 10 a.m., HUB Assembly Room. Dr. Jere Clark, Center for Interdisciplinary Creativity, in Connecticut, on "Changing Perspectives through General Systems Education." At 2 p.m., Dr. Edwin Laszlo, SUNY at Geneseo, on "Toward an Interdisciplinary Paradigm for Contemporary Philosophy."



ARTISTS SERIES. Guest conductor Mavis Jansons, will direct the Leninrad Philharmonic today (Thursday, Nov. 1) in a Rec Hall concert beginning at 8:30 p.m.

Films

Thursday, Nov. 1 — International Films, 7:15 and 9:30 p.m., HUB assembly room. "Variety Lights," directed by Fellini-Lattuada.

Friday-Saturday, Nov. 2-3 — Student SF Films, 7 and 9 p.m., HUB assembly room. "The 39 Steps."

Saturday, Nov. 3 — Free-U children films, 12:30 and 2:30 p.m., HUB assembly room. Cartoon Festival.

Wednesday, Nov. 7 — Commonsplace Theatre, 8 and 10 p.m., Room 112 Kern.

Thursday, Nov. 8 — International Films, 8 p.m., HUB assembly room. "Death of a Cyclist," directed by Bardem.

Friday-Saturday, Nov. 9-10 — Student SF Films, 7-9 p.m., HUB assembly room.

Rugby Club develops staunch following

The Penn State Rugby Club is involved with a sport one member calls "legally lethal."

But every member of the Club plays rugby for — such — the pleasure of it. Spectators at a bruising, hard-hitting game at Penn State's rugby pitch (playing field), located near the University Flower Gardens and adjacent to the East Halls intramural fields, might feel secure in the knowledge that a surgeon is on the field at all times, secure, that is, until they discover that the doctor is there to inflict some of the pain. Dr. John Reidell, M.D., of State College, is one of the experienced players for the Club.

Contrary to quick impressions the novice spectator might get, the pain is usually minimal; no serious injuries have been suffered by Rugby Club members. And Dr. Reidell, like the rest, is a "clean" player; there's no room in rugby for any other kind.

To be sure, Penn State's "Rugby For Fun Bunch" is for real.

The decade-old Penn State Rugby Club has made believers out of many who for-



Dr. Robert P. Hunter, professor of mathematics, is one of the few members available to bring experience to the team; students graduate about the time they become seasoned players.

merly looked on rugby as a hard-to-understand version of American football, where there's no forward passing, no time-outs or substitutions, and no blocking. And, the detractors once claimed, the game is played with an overstepped football, at that.

But no longer is rugby an unknown commodity in this country. According to the coach of the Club, Dr. Ian Harrison, assistant professor of materials science, there's been a "rugby boom" in the United States during the past four or five years. He reports that members of the Penn State community have not been immune to the lure of the gruelling sport. This fall, 60 players joined the Club. For their 15

annual dues, they're guaranteed playing time in a game every week during the season.

The Rugby Club is a very open organization; it includes faculty, staff, students, alumni and members of the community, ranging in age from 18 to 42, and in weight from 150 to 240 pounds.

This fall, the Club is playing a weekly schedule, facing 11 teams from other universities and private clubs. Because players have various degrees of skill, the Club fields three teams, A, B, and C. Practices, which include both basic and advanced instruction, begin at 5 p.m. on Tuesdays and Thursdays at the pitch. Newcomers are welcome.

Three games remain on this season's schedule, including two home battles. On Saturday, Nov. 3, Kent State visits, and a week later the Chesapeake Club comes to Penn State. The season closes on Nov. 10 with an away game against Indiana State.

The home games are scheduled for "approximately" 2:30 p.m., but as part of the informality that marks rugby, game times may be changed slightly.

Besides the fall agenda, the Club plays a full spring schedule, highlighted by the annual PhyslT Tournament, in which some of the top teams in the East compete.

While rugby is bruising and tiring, it is mostly fun at Penn State, says Jerry Starobin, president of the Club and a senior majoring in education.

"I like the intensity of the game. But when it's over, it's over," says Starobin, who suffered a slight jaw injury in a recent game. "After the game we forget about the score and drink beer with the other team."

This "intensity while we play, fun afterward" attitude is known as the "rugby philosophy," says Starobin, a Philadelphia native.

A fellow rugger agrees that this attitude has its virtues.

"Rugby is the only true amateur sport left in the world today," says A. Fraser "Scotty" Grigor, production supervisor in housing and food services operations. "We buy our own boots and uniforms and pay our own traveling expenses."

The uniforms worn by rugby players are devoid of shoulder pads, hip pads, and helmets one might expect for a heavy contact sport. A rugby uniform is simply a pair of shoes, knee socks, gym shorts, and the colorful horizontally-striped jersey. Most players these days wear protective mouth pieces, too.

Grigor, a native of Scotland, who grew up in the midst of decade-old rugby rivalries, is fond of the "camaraderie of the game." And though he explains that rugby's minimal rules regarding roughness make the game "legally lethal," Grigor em-

phasizes that "It's only as brutal as you make it."

Starobin feels that he is president of a program that is second to none. He says the pitch (playing field) is the best he's ever seen, and it is one of the few regulation pitches (110 yards long, 75 yards wide) in the East. He is appreciative, too, of the "great cooperation" extended by the College of Health, Physical Education and Recreation.

Penn State does have one disadvantage, and it is a problem shared by all college clubs competing regularly against private teams. A college rugby team loses players every year through graduation, whereas the private clubs maintain the all-important continuity so vital to team sports. And since many rugby players at Penn State are novices when they first arrive, they seem to graduate soon after they become seasoned players.

Rugby players will tell you that the best way to learn about the game's rules and strategies is to attend the contests. Those familiar with British rugby, though, might find things a little different.

Coach Harrison, a native of England and a rugby player since he was 11 years old, observes that tackling in the United States is more fierce than in England.

"Since most of the rugby players are used to playing football (many Penn State players are former high school football stars), the tackling is harder here," he says. "And the game is noisier here, too. In England, you're taught from an early age that only one person on the team talks, and that's the captain. Here, everyone is shouting."

Watching the game is the best way to learn about rugby, so fans and potential supporters are urged to attend the final home battles. For those who want a



simple guide to scoring, here is a brief summary of how points are scored:

TRY — When a player runs the ball over the goal and touches it down (4 points)
CONVERSION — A place kick attempted at least ten yards out from where the ball was touched down on the try (points).

PENALTY KICK — A place kick or drop kick awarded when the opponent is charged with a major rule infraction (3 points).

DROP GOAL — A drop kick attempted while the ball is in play; a very difficult shot seldom seen in American rugby (3 points).

Some other basic facts about rugby which is celebrating its 150th anniversary this year:

15 players make up a team . . . there's no halt to play after a tackle . . . the ball can be advanced by running or kicking.

When a minor infraction occurs, "scrum" restarts play. The "scrum" is the huddle-like formation in which the players locked together try to kick the ball out to their forwards. When a ball goes out of bounds, it is put back into play by a "lineout." The wing of the team did not touch the ball last throw the field between a line of forwards who stand parallel to each other and perpendicular to the spot where the ball fell play.

Though it often might be misleading, spectators might try to imagine rugby as a combination of soccer and football. In fact, the legend has it that rugby was born when a soccer player picked up the ball and started running toward the goal.

Rugby is the only sport with three halves — the two 40-minute halves on the field and the "half" afterward when the team gets together off the field. As any rugger will tell you, they are all equally important. The course, is the rugby philosophy.

University Symphony Orchestra in a concert Saturday, Nov. 10, in Schwab Auditorium, beginning at 8 p.m. The overture to Rossini's opera "Semiramide" will be followed by Schumann's "Spring Symphony" and Tchaikovsky's "Romeo and Juliet" overture.

HELP WANTED

The Office of Residential Life Programs and the Office of Student Activities are seeking the assistance of all members of the University Community in responding to student needs for extra-curricular programming.

If any University employees are willing to speak with a group of students about an academic area, hobbies, travels or special areas of interest, they are asked to complete a form available from and be returned to University Resource Survey, Office of Residential Life Programs, 113 Old Main by Friday, November 6, 1975.

From the information received, a "source list" for use by student groups planning their activities and programs will be developed. Any questions can be directed to Linda Higginson, 865-3495, or to the Office of Residential Life Programs, 865-7973, either of whom will also accept via phone the information sought on the form.

NEWS —

(Continued from page one)

will be from the following areas: Thursday, Nov. 1, The Philippines; Wednesday, Nov. 7, Portugal; Thursday, Nov. 8, Sweden. More information may be obtained by calling 865-7441 during the day.

JOINT CONCERT

The Brass Chorale and members of the Symphonic Wind Ensemble will present a joint concert Friday, Nov. 2, at 8:30 p.m. in the Music Bldg. recital hall. Directed by Smith Toulson, Wind Ensemble groups will perform compositions by Mozart, Telemann, and Bozza during the first portion of the program. The Bozza piece, "Jour D'Été A La Montagne," is one of the few compositions written for flute quartet, and the students performing it were coached by Ovidia Page. The Brass Chorale, conducted by music instructor James Benshoof, will present works by Piston, Merriman, Zindars, and Nellybyel.

PAULING LECTURES

Tickets will be required for the two Nelson W. Taylor Lectures by Dr. Linus Pauling, to be given Thursday, Nov. 8, and Friday, Nov. 9, and may be obtained at the office of the dean of the College of Earth

and Mineral Sciences, Room 116 Deike. He will speak on "The Structure of Metals and Alloys" on Thursday and on "The Structure of Atomic Nuclei" on Friday. His public lecture on the subject of "Vitamins and International Health" will be given Saturday, Nov. 10, sponsored by the University Committee on International Programs. All lectures will be given in Room 112 Kern, the Thursday and Friday lectures at 8 p.m. and the Saturday lecture at 8:30 p.m.

FENCING TOURNAMENT

An open tournament in fencing will be held Sunday, Nov. 4, with competition in women's foil, and in men's sabre, epee, and foil. Competition begins at 8 a.m. in the Fencing Room (Room 69) of Recreation Building.

Any member of the Amateur Fencers League of America may compete in the tournament. The entry fee is \$3.

Invitations have been extended to college and university fencing teams and clubs in Pennsylvania and nearby states.

Nittany Lion statuettes will be awarded as first prize in each weapon and silver and bronze medals for second and third places.

Anyone Interested in competing should

get in touch with Max Garret, men's fencing coach, 865-1851, or Beth Alpin Cramer, 865-7591.

SKATING CLINIC

A "Therapeutic and Recreational Ice Skating Clinic" will be held at the Ice Rink Pavilion Saturday and Sunday, Nov. 3-4, as a continuing education service of the College of Health, Physical Education and Recreation. The program is expected to appeal to physical educators, physical and recreational therapists, students, and others actively involved in ice skating. A final registration (advance registration was encouraged) will be held at the Pavilion Saturday from 8 to 9 a.m., and the Clinic will begin immediately after. A fee of \$5 will be charged.

VOLUNTEERS GET TOGETHER

Volunteer Service Center volunteers — students, faculty and staff currently aiding in VSC projects — will get together Monday, Nov. 5, at 7 p.m. in Room 203 HUB. It is an occasion for volunteers to contribute ideas and carry on a general "rap session" about current projects.

SYMPHONY CONCERT

Dr. D. Douglas Miller, assistant professor of music, will direct the 80-piece

PENN STATE intercom

Volume 3, Number 10

November 8, 1973

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

News in brief

DECALS EXTENDED

Parking decals that were originally valid only until March 31 of this year, then were extended to Oct. 31, have been extended once again, until January 31, 1974.

Floating permits with valid dates of June 30, 1973, have also been extended to January 31.

Special and wage payroll permits for windshields which carry the Dec. 31 valid date will be extended to January 31. However, this does not include guest permits, graduate assistant evening permits, or other special permits.

REMINDER

Employees at the University Park Campus are reminded that the Occupational Privilege Tax charged locally will be taken automatically from the paychecks dated Nov. 30 for those paid on a monthly basis and on Nov. 23 for others (technical services, graduate assistants, and wage payers). In previous years the deduction was made in October checks.

MITTANY LION CLOSING

The Mittany Lion Inn food service will be closed Thursday, Nov. 22, Thanksgiving Day, but will resume normal operations

Asian and Latin American studies are legitimate

Dr. Griffith sees need for Black studies in universities

When he was growing up, Cyril E. Griffith used to walk along the north shore of his native island of Bermuda and look at the horizon, wondering what was on the other side of the world.

"In school, the British taught us British and European history but never mentioned anything about our people or where we'd come from," he recalls. "I found that very damaging, even as a child, and I used to think, 'Gee, I couldn't have come from nothing.'"

"If you don't know anything about yourself, you can't respect yourself, and it was this feeling that ultimately led me to study history. I figure that to know what I can about my race and then teach others. It's wrong to write people out of history; it's something that civilized men have a duty to correct."

His experiences have led Dr. Griffith, who is an assistant professor of history at Penn State, to the view that Black Studies should become an integral part of the curriculum in institutions of higher learning. He headed the University committee which reported on the feasibility of such a program here.

"If Asian or Latin American Studies are legitimate," he continues, "then Black Studies are. We have to stop acting as if Black people don't exist and never contributed anything. We are going to get more and more blacks in our colleges and universities, and it's wrong to give them a one-sided education."

In his own research, he is pursuing this philosophy by tracing the activities of the African Methodist Episcopal (A.M.E.) church in Africa during the 19th century in an attempt to demonstrate that black missionaries as well as white played a prominent role in African history.

Dr. Griffith is the third generation of his family to teach school. His grandfather

the following day. This has been the practice in the past few years so that employees at the Inn can enjoy the day with their families.

ART EDUCATION EXHIBIT

Students in Art Education have made a selection of objects sold in State College area stores on the basis of design excellence, local availability and modest cost and made an exhibit of them to demonstrate that good design is sometimes mass produced. The exhibit is on display in Chambers Building and will remain until Nov. 30. The purpose of the exhibit is to encourage viewers to respond to the objects much as they would respond to a painting, sculpture or crafts, especially in evaluating form, function, craftsmanship, and the object's enhancement of aesthetic dimensions of everyday living. Thirty downtown and area merchants cooperated in the development of the exhibit.

ROAD RALLY

Acacia Fraternity, seeking to aid "On Drugs," the community-based drug information and referral service, will hold a road rally Sunday, Nov. 11, at 1 p.m. The rally will begin at the fraternity house, 234 Locust Lane, State College, and will be open to all licensed drivers. A \$5 registration fee per car will be charged. The 30-mile course will test the driver's ability to fol-

low a list of 120 instructions and answer questions on things seen along the way. A navigator is permitted to assist the driver. The best team will receive a \$50 prize. Applications will be accepted until tomorrow (Friday, Nov. 9).

ART STUDENTS EXHIBIT

Twenty-two graduate students in the Department of Art will exhibit their work in Zoller Gallery, Visual Arts Bldg., from Monday, Nov. 12, through Friday, Nov. 30. The Gallery will also house a one-man show by Donald Bruno, a candidate for the MFA degree in graphic design. Included in the show are oils and watercolors, wall and steel sculptures, ceramics, graphics, and photographs.

CELLO-PIANO CONCERT

Leonard Feldman, associate professor of music and cellist with the Alford String Quartet, and Steven Smith, assistant professor of music, will present a concert of sonatas for piano and cello Wednesday, Nov. 14, at 8:30 p.m. in the Music Bldg. recital hall. Featured will be Beethoven's "Sonata in C Major, Opus 102, No. 1," Brahms' "Sonata No. 2 in F," and "Sonata" by Samuel Barber. The latter work is Barber's only sonata for the two instruments, the composer having learned to play the cello expressly to write this piece.

(Continued on page four)

Proposed unit draws criticism at Council meeting

Concern over a proposal for a new administrative structure regarding the Commonwealth Campuses dominated a meeting of the University Council last week at the Berks Campus.

Several members of the Campus faculty expressed displeasure over the proposal which calls for the establishment of a unit whose mission includes lower-division baccalaureate instruction, associate degree programs, continuing education, and community services.

Dr. Russell E. Larson, University provost and Council chairman, told the open meeting that the proposal, currently being reviewed by various groups within the University, is designed specifically for those faculty members principally responsible for instruction of freshmen and sophomores.

"It is the establishment of an arrangement," he said, "where faculty members at the freshman and sophomore level would be better served than at present. If the faculty doesn't read it this way, it won't be pursued."

Dr. Larson said the proposal is an effort to evaluate faculty members in relation to their University assignment.

"Under this proposal," he added, "a faculty member has the alternative to remain with his academic department. There is nothing in the proposal that would push people into the new unit."

Dr. Larson said the proposed plan is patterned after an organizational program which has existed in the College of Engineering for the past 10 years and "has been successful."

One faculty member told the Council there is some support for the proposal at the Berks Campus, but "there are so many issues confronting us such as collective bargaining and a proposal on tenure that our minds boggle. We don't have enough information on anything or clarification of how it all will work."

Other matters discussed at the Council meeting, one of two it holds each year away from University Park, included a University-wide student evaluation of instruction, student representation on faculty organizations and the quality of food service at the Berks Campus.

Institute names four of faculty as research fellows

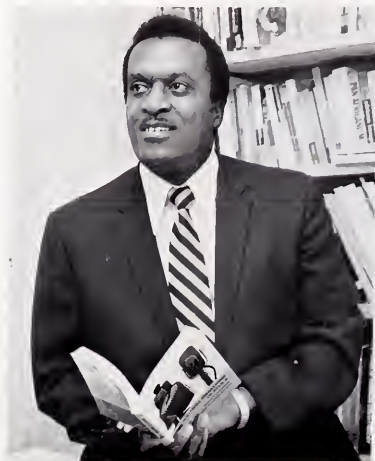
Four members of the faculty have been awarded Faculty Research Fellowships for the Spring Term, 1974, by the Institute for the Arts and Humanistic Studies:

Dr. Isabelle Armitage, assistant professor of French, will use her grant to prepare a study of Pierre de l'Etoile and the authorship of "la Satire Menippée."

Dr. Gerard J. Brault, professor of French, will ready Volume II in the "Aspillogia" series, the corpus of English medieval rolls sponsored by the Society of Antiquaries of London.

Dr. Anthony Geller, associate professor of art history, will undertake research on late Byzantine psalters in Cairo, Sinai and Jerusalem.

Dr. Yoshio Fukuyama, professor of religious studies, will study the humanistic and social dimensions of Japanese religion.



Dr. Cyril E. Griffith — the third generation of his family to teach.

Honors in Business Administration



Alice E. Werno, research associate in the College of Business Administration Center for Research, was guest of honor October 23 of a 25-Year Service Award party and, as such, cut the cake as CBA Dean Eugene J. Kelley watched. For all of her quarter of a century on the campus, Alice has been associated with the Pennsylvania Business Survey, publication of the College which serves industry, commerce, the government, and the public in the Commonwealth through statistical studies of business conditions and analyses. She began a research position in 1946 in what was then the Bureau of Business Research. She has contributed many monographs and articles on business to the publication and to other journals, as well as serving as editor of the "Survey." She has also made radio tape recordings, prepared newspaper releases, and given talks on the work related to the Survey. A graduate of Cornell College, Columbus University, she worked in New York, at Macy's, with Warner Publications, and with Prentice Hall, in various capacities, before coming to the University. She earned an M.A. degree in labor economics at Penn State in 1956.



Dr. Roger C. Pfaffenberger, Jr., second from right in right photo, selected as "Outstanding Teacher" by the CBA Student Council. Is given the Nittany Lion statuette and \$100 U.S. Savings Bond by Stan Leshner, with Neil Fisher and Dean Kelley looking on. Fisher holds a plaque which is displayed in the Business Administration Building and which has smaller nameplates indicating the winner of the award each year. A similar plaque is used for the "Outstanding Advisor" award. Fisher and Leshner were co-chairmen of the selection committee of the Council which chose Dr. Pfaffenberger and Dr. Coyle for the two awards.

Officers of the College of Business Administration Student Council recently presented Dr. John A. Coyle (second from right), professor and head of the business logistics department, with a Nittany Lion statuette and a \$100 U.S. Savings Bond as an award for his selection by the Council as "Outstanding Advisor" in the College. The award is made possible by the CBA Alumni Association. Presenting Dr. Coyle with the statuette is Neil R. Fisher, tenth term management major, and end of Dr. Coyle's right is Stan A. Lashner, tenth term accounting CBA Dean Eugene J. Kelley is at left.

Deaths

Dr. Charles C. Peters, professor emeritus of education, who retired from the University in 1945 after serving on the faculty for 18 years, died October 26 in Marietta, Ga., at the age of 91. In addition to serving as professor, he was also director of educational research. A graduate of Lebanon Valley College, he received the A.M. degree from Harvard in 1910 and the Ph.D. from the University of Pennsylvania in 1916. In his long academic career, starting in 1906, he taught at Clark'sburg, Mo. College where he was president 1906-07; Westfield, Ill., College; Lebanon Valley; Lehigh University; and Ohio Wesleyan University (1917-1927). He also taught in summer periods at Ohio State, West Virginia, Kansas, California, Minnesota, and Stanford, and he was superintendent of schools in Royersford, Pa., in 1913-16. He wrote eight books and more than 60 journal articles in psychology and education. At one time he was listed in nine different "Who's Who" books. In 1944, he recommended that an all-inclusive educational program for adults as well as for college-age people could make use of the air waves to enable them to combine college work with their jobs. He noted that state-supported schools particularly have an obligation to the public to conduct courses "as fundamental and as systematic as those given in college classrooms" via the radio. The development of television later, he said, would permit demonstrations to supplement lectures.

Dr. Donald G. McGarey, professor of education from 1917 to 1967, died November 1; he was 85. He left Penn State to become professor of education and coordinator at Edinboro State College. A graduate of Thiel College, he received the M.A. degree from Columbia University and D.Ed. from Penn State; he did post-doctoral work at the University of Wisconsin. He served first as teacher and later as principal of the Bessemer High School from 1929 to 1935; was supervisor of instruction at Teaneck, N.J.; and was director of guidance for Sharon, Pa. schools. In 1940, he was appointed head of the department of education and dean of men at Morris Harvey College, Charleston, W. Va., where he served before coming to Penn State. He was consultant on curriculum and in-service education programs for many schools in the eastern U.S. In

1962, he received a special citation from the Governor of Pennsylvania and the State Department of Education for "meritorious service in the improvement of curriculum" in the State's schools. He was a U.S. delegate to the first World Conference of the Teaching Profession in 1946.

Dr. Arthur F. Davis, professor emeritus of physical education, died Oct. 31 after a long illness. He was 77. Considered one of the leaders in the State in the field of health education, he worked with many organizations such as cancer and heart societies as well as health and physical education groups during his 28 years on the faculty prior to his retirement in 1962. He received the Distinguished Service Medal from the Centre County Heart Association, medals in 1956 and 1960 from the Pa. Heart Association, and the Benjamin Rush Award from the Centre County Medical Society in 1955 for outstanding service. A graduate of the University of New Hampshire, after World War I service, he received the M.Ed. degree in 1927 from Harvard, and the doctor of public health degree from the University of Michigan in 1937. Before joining the faculty in 1934, he taught at schools in Pawling, N.Y.; Chestnut Hill, Pa.; Lincoln Park, Mich.; and at Northern State Teacher's College, Marquette, Mich. He also directed health education programs for Upper Michigan Peninsula.

Honors

Dr. Eugene T. McDonald, research professor of speech pathology, received the Humanitarian Award of The Easter Seal Society for Crippled Children and Adults of Pennsylvania at its 50th anniversary convention October 26.

The citation accompanying the award said in part: "Through your wisdom, compassion and sincerity, hundreds of handicapped children, adults, and their families, have benefited from your counsel and leadership. Your broad approach to rehabilitation has influenced programs at the national, state and local levels. Your vision has enlightened the thinking of professional staff, students and volunteer boards of directors, and has also helped shape the philosophy of the Easter Seal Society."

DR. GRIFFITH —

(Continued from page one)

at the Rike-Kumler Department Store in Dayton, where he started out mopping floors, rose to be a watchman and finally a store detective.

"It was a job that makes you very suspicious," he notes. "Everybody kept an eye on everybody else. The store employed seminars students to check the cash register receipts, and we checked on the students. Then there were town detectives to check on us. To this day, I have a sort of sixth sense in a store, so I can usually pick out the floor watchers."

Unknown to Dr. Griffith, however, one of the persons watching him was David L. Rike, the store's owner, and he was sufficiently impressed with his employee to call him in and invite him to apply to the Rike family foundation for a scholarship to graduate school. In this way, Dr. Griffith obtained funds to go on to Bowling Green and study African history. He earned his master's degree in 1965 and got a job at St. Paul's College in Lawrenceville, Va. Dr. Griffith continues:

"To my surprise, the President wrote that since my starting salary was so small, in compensation they would give me \$800 which I could use toward a Ph.D. It was a real stroke of luck, and I started work on my doctorate at Michigan State in June. The arrangement continued for two years, when I obtained an I.B.M.-United Negro College Fund fellowship which enabled me to take a two-year leave."

At the end of this period, Dr. Griffith was awarded a Ford Foundation grant which he used to go to Nigeria and Liberia to do first-hand research for his thesis on Martin R. Delany. Delany, the first black major in the Union Army and later a judge in Charleston, S.C., attempted to move blacks back to Africa on a massive scale. "The African experience was wonderful," Dr. Griffith says. "It was the first time

I'd done any reminiscing about my life as a boy. I had grown up under British colonialism, and so had the Nigerians. We had many things in common — foods, music, education. I felt very much at home, and I'm anxious to take a leave and go back perhaps to do some teaching. The number of West Indians already in Africa in various capacities is impressive."

"I remember as an undergraduate at Wilberforce hearing an African visitor speak. He told us that getting an education is important, and facilities don't matter. You can get an education in a school room or outdoors under a tree. In Nigeria I understood what he meant. You might see a secretaries' school with the students sitting at their typewriters or doing their shorthand outdoors. The African students I met had a healthy curiosity about the outside world, and I came to believe that the future is in their favor. As modernization goes on, they'll do things in their own way instead of following outside models."

Upon his return from Africa, Dr. Griffith spent one more year at St. Paul's, and then came to Penn State. In December 1972, he finished up the requirements for his Ph.D. but put off his graduation to March, 1973.

"My mother had never seen me graduate from any school," he says, "and I wanted her to watch me get my Ph.D. But I didn't want her to travel during the winter since she's not used to it, so I waited till was warmer."

"As I was working my way through school, there were some bad moments when I'd run completely out of money. When that happened, I'd write a letter to my family, asking them to do what they could, and they'd all chip in. My wife's family did, too. So while things were difficult, so many people helped me along that I can look back on the struggle and realize it had its sweet moments."

"As for right now, I'm sitting on top of the world."

Desk Calculator Laboratory

Instructional-Learning Services has established on an experimental basis a self-instructing laboratory equipped with electronic desk calculators. The calculators are in Room 6, Sparks Building, and will remain there through Spring Term, at which time the need for continuing this service to students will be assessed.

Instructors of all courses requiring the use of desk calculators are invited to announce this service to their students. The laboratory is open during the following hours: Monday through Friday 9 a.m. to noon; 1:00-4:30 p.m.; and 7:00-10:00 p.m.; Saturday closed; Sunday 7:00-10:00 p.m.

University Calendar

November 8-18, 1973

The "London Guy," provided by Penn State alumni, is available for special 30-minute Guided Tours of the Campus, scheduled Monday through Friday, departing from the HUB at 12:45 and 3:30 p.m. Reservation tickets at the HUB desk. (Donation of 25 cents is to help compensate the guide.)

Special Events

Thursday-Saturday, Nov. 8-10 — University Theatre, "One Flew Over the Cuckoo's Nest," 8 p.m., The Playhouse.
Thursday-Friday, Nov. 8-9 — Five O'Clock Theatre, "Silverstein and Co.," Pavilion Theatre, Thursday, 5:20 p.m.; Friday, 7:20 p.m.
Thursday, Nov. 8 — John McCabe, lecture-recital, piano, 8:30 p.m., Music Bldg. recital hall.
Friday, Nov. 9 — Sports: Soccer, vs. Temple, 7 p.m.
Friday, Nov. 9 — Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.
Friday, Nov. 9 — Free-U! social event, 7:30 p.m., HUB ballroom.
Saturday, Nov. 10 — PSU Symphony Orchestra, 8 p.m., Schwab.
Saturday, Nov. 10 — Sports: Football, vs. North Carolina State, 1:30 p.m.; Rugby, vs. Chesapeake, 2 p.m.
Sunday, Nov. 11 — Penn State Glee Club and Manhattaville College Glee Club, 3:00 p.m., Music Bldg. recital hall.

Sunday, Nov. 11 — Chapel Service, 11 a.m., Eisenhower Chapel. Dr. Richard Jungkuntz, Provost, Pacific Lutheran University, Tacoma, Washington.
Sunday, Nov. 11 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.
Sunday, Nov. 11 — Road Rally, sponsored by Acadia Fraternity, starting at 1 p.m. from 234 Locust Lane, for benefit of On Drugs. Registration fee \$5; final applications Friday, Nov. 9.
Monday, Nov. 12 — Penn Statesmen Jazz Band Concert, 8:30 p.m., Music Building recital hall.
Wednesday, Nov. 14 — Leonard Feldman, cello, and Steven Smith piano, 8:30 p.m., Music Bldg. recital hall.
Friday, Nov. 16 — Sports: Soccer, vs. Pittsburgh, 7 p.m.
Saturday, Nov. 17 — Sports: Football, vs. Ohio U., 1:30 p.m., Beaver Stadium, Band Day.

Meetings

Thursday, Nov. 8 — Central Pa. Chapter, Association for Computing Machinery, 8 p.m., Room 105 Forum, Thomas E. Kurtz, Dartmouth, on "The Role of the Computer on Campus."
Monday, Nov. 12 — Penrhel Council, 6:30 p.m., Delta Gamma, Shulze.
Monday, Nov. 12 — OTIS, 6:30-7:30 p.m., HUB assembly room.
Tuesday, Nov. 13 — University Faculty Senate, 2:10 p.m., Room 112 Kern.
Tuesday, Nov. 13 — ARHS, 7:30-8:30 p.m., Room 203 HUB.
Wednesday, Nov. 14 — A.W.S., 7 p.m., Room 203 HUB.
Thursday, Nov. 15 — USG Academic Assembly, 7:30-9 p.m., Room 203 HUB.

Official

Thursday, Nov. 15 — Last day for signing Emergency Loans for Fall Term.
Saturday, Nov. 17 — Last day for submitting a petition to graduate in absentia in December.
Saturday, Nov. 17 — Fall Term classes end 12:25 p.m.

Films

Thursday, Nov. 8 — International Films, 8 p.m., HUB assembly room, "Death of a Cyclist," directed by Bergam.
Friday-Saturday, Nov. 9-10 — Student SF Films, 7 and 9 p.m., HUB assembly room.

Seminars

Thursday, Nov. 8 — Meteorology, 3:55 p.m., Room 26 M.S. Dr. Kenneth H. Bergman, National Weather Service, on "Problems of Data Assimilation in the Numerical Weather Predictions."
Thursday, Nov. 8 — Physics-Chemistry, 3:30 p.m., Room 117 Osmond. G. Herzberg, National Research Council of Canada, on "Experimental Tests of the Quantum Theory of Molecular Hydrogen."
Thursday, Nov. 8 — Chemistry, 12:45 p.m., Room 310 Whitmore. T. G. Taylor, University of California, San Diego, on "Mechanisms of Oxygen Transport by Heme Proteins."
Thursday, Nov. 8 — Agronomy, 3:55 p.m., Room 301 AB Agri. Adm. G. E. Schulz, Prof. Engineer, R. & D. Climax Molybdenum, on "Industry, Air Pollution and Agriculture."
Thursday, Nov. 8 — Philosophy, 4 p.m., Laurel Room, Nittany Lion Inn. Dr. Cyril Welch, Mt. Allison University, and Dr. Thomas Seebom, on "History and Language."
Thursday, Nov. 8 — Slavic and Soviet Language and Area Center, 3 p.m., Room 133 Electrical Eng. East. Dr. Anthony Cutler, art history, on "Byzantine and the Emancipation of Russian Art."
Thursday, Nov. 8 — Biophysics, 4 p.m., Room 617 Life Sciences. R. S. Morgan, on "Detecting Molecular Motion by Diffraction."
Thursday, Nov. 8 — Anthropology, 3 p.m., Room 101 Kern. Geza Teleki on "The Predatory Behavior of Wild Chimpanzees."
Thursday, Nov. 8 — Computer Science, 4 p.m., Room 101 Kern. Dr. Raymond F. Boyce, IBM Research Laboratory, San Jose, on "Specifying Queries as Relational Expressions."
Friday, Nov. 9 — Chemical Engineering, 3:35 p.m., Room 101 Altohouse. Dr. Douglas J. Wilde, Stanford University, on "Optimization, Fluidized Reactors, and Machine Tolerances."
Friday, Nov. 9 — Statistics, 4 p.m., Room 73 Willard. Robert Clickner, Temple University, on "Excessive Deviations and Efficiency."
Monday, Nov. 12 — Genetics, 3:55 p.m., Room 111 Tyson. Lawrence Gaffney on "Transplantation Studies with Parthenogenetic Turkeys."
Tuesday, Nov. 13 — Comp. Lit. luncheon, 12:15 p.m., HUB Dining Room. A. Collin Roderick on "Cook and the Noble Savage."
Tuesday, Nov. 13 — Graduate Air Pollution Control, 2:20 p.m., Room 140 Fenske. Dr. Charles C. Berry, Chief, Standard Support Section, Environmental Protection Agency, Research Triangle Park, North Carolina, on "Establishing Emission Regulations for Stationary Sources."
Tuesday, Nov. 13 — Physics Solid State, 1 p.m., Room 339 Davey. Dr. William Bitler, metallurgy, on "Grain Boundary Segregation."
Tuesday, Nov. 13 — Engineering Mechanics, 4 p.m., Room 215 Hammond. Dr. Werner G. Neubauer, Head Micro-Acoustics Section, Physical Acoustic Branch, Naval Research Lab., Washington, D.C., on "Schlieren Observations of Interactions of Waves with Bodies and Surfaces."

Wednesday, Nov. 14 — English, 8 p.m., Room 101 Kern. Colin Roderick, an Australian scholar, on "The Character of Austen's Literature."
Wednesday, Nov. 14 — Two Cultures Dialogue, noon, Room 169, Materials Research Lab. Theodore R. Vallance, human development, and Robert G. Price, philosophy, on "Technology Assessment and Indicators of the Quality of Life."
Wednesday, Nov. 14 — Ceramic Science, 4 p.m., Room 244 Deike. Dr. B. Brezny, NARCO.
Thursday, Nov. 14 — Electrical Engineering, 3 p.m., Room 329 E.E. East. Dr. Martin Buehler, Electronics Technology Dept., National Bureau of Standards, on "Detection of Dopants Defects in PN Junctions and MOS Capacitors."
Thursday, Nov. 15 — Physics, 3:35 p.m., Room 117 Osmond. Leo Nedelesky, University of Chicago, on "Physics Taught as a Liberal Art."
Thursday, Nov. 15 — Chemistry, 12:45 p.m., Room 310 Whitmore. Ian H. Carlson, University of Wisconsin Hospitals, on "Analytical Chemistry in the Radiomunassay Field."
Thursday, Nov. 15 — Anthropology, 3 p.m., Room 101 Kern. Dr. Brunello Giarelli, visiting professor of anthropology, The University of Toronto, on "Chromosomes and the Taxonomy of Primates."
Thursday, Nov. 15 — Agronomy, 3:55 p.m., Room 301 AB Agri. Adm. M. R. Herdison, environmental affairs, College of Agriculture, and R. J. Anderson, Jr., Center for Study of Environmental Policy, on "Environmental Policy at Penn State."
Thursday, Nov. 15 — Statistics, 4 p.m., Room 73 Willard. H. D. Knobke, Comp. Ctr., on "Multiple Precision Floating Point Arithmetic: Motivation and Applications."
Thursday, Nov. 15 — Meteorology, 3:55 p.m., Room 26 M. S. Dr. Barry Smith, Bracknell, Berks, England, on "Some Basic Ideas on Diffusion."

Interest Groups

Alpha Phi Omega, Mondays, 7 p.m., Room 308 Boucke.
Archery Club, Mondays, Wednesdays, Thursdays, 7 p.m., Room 33 White.
Badminton Club, Fridays, 8:15 p.m., Rec Hall.
Chess Club, Wednesdays, 6:30 p.m., HUB card room.
Chess Team, Thursdays, 6:30-11 p.m., Room 106 Sackett.
Coed Gymnastics Club, Mondays, 7:30 p.m., Rec Hall South Gym; Thursdays, 7:30 p.m., gymnastics room, White.
Eco-Action, Mondays, 8 p.m., Room 310 Boucke.
Free-U!, Mondays, 7-9 p.m., Room 203 HUB.
Gamma Sigma Sigma, Tuesdays, 7 p.m., Room 309 Boucke.
Interlance Folk Dancers, Sundays, 7:30 p.m., HUB ballroom.
Jazz Club, Thursdays, 8:30-9:30 p.m., Room 167 Willard.
Keystone Society, Wednesdays, 7-8:30 p.m., Room 304 Boucke.
S.I.M.S., Wednesdays, 8 p.m., Room 108 Forum; Thursdays, 8 p.m., Room 101 Chambers.
Penn State Cycling Club, Thursday, Nov. 8, 7:30-8:30 p.m., Room 71 Willard.
Squash Club, Mondays, 7 p.m., White. Informal competition.
Young Socialists, 7:30 p.m., Mondays, Room 167 Willard; Wednesdays, Room 62 Willard.
PSOC, Sailing division, Thursday, Nov. 8, 7:30 p.m., Room 214 Boucke.
PSOC, Equestrian division, Tuesday, Nov. 13, 7:30 p.m., Room 111 Animal Industries.
PSOC, Mountaineering division, Tuesday, Nov. 13, 7:30 p.m., Room 214 Boucke.
Folklore Society, Thursday, Nov. 15, 8 p.m., Room 101 Kern.
PSOC, Canoe division, Thursday, Nov. 15, 7:30 p.m., Room 214 Boucke.

Lectures

Thursday, Nov. 8 — EBS Guest Lecture Series, 4 p.m., Room S-131 Human Development. Dr. Norman Young, president and chairman of the board of ITT Community Development Corporation, will speak on the importance of urban and environmental pre-planning.
Thursday-Friday, Nov. 8-9 — EMS Nelson W. Taylor Lectures by Dr. Linus Pauling, 8 p.m., Room 112 Kern. Thursday: "The Structure of Metals and Alloys;" Friday, "The Structure of Atomic Nuclei."
Thursday, Nov. 8 — (Interdisciplinary) "General Systems Theory and Interdisciplinary Education," 4 p.m., HUB Assembly Room. Dr. Anthony Wilden, U-Cal at San Diego, on "Transdisciplinary Cal at San Diego and the Social Sciences."
Friday, Nov. 9 — (Interdisciplinary) 10 a.m., HUB Assembly Room. Dr. Jere Clark, Center for Interdisciplinary Creativity, in Connecticut, on "Changing Perspectives through General Systems Education." At 2 p.m., Dr. Edwin Laszlo, SUNY at Geneseo, on "Toward an Interdisciplinary Paradigm for Contemporary Philosophy."
Saturday, Nov. 10 — Dr. Linus Pauling, sponsored by University Committee on International Programs, on "Vitamins and International Health," 8:30 p.m., Room 112 Kern.
Tuesday, Nov. 13 — Prof. Anita Furshpan, department of history, University of Connecticut, and organizing member, Cambridge Archaeology Seminars, Boston, on "Excavations in the Dhaul Region, Cyprus, 1971-73." Slide illustrations; reception follows 8 p.m., Room 101 Kern.
Tuesday, Nov. 13 — President Emeritus Dr. Eric A. Walker, on "Putting Research to Work," 3:55 p.m., Room 115 Electrical Engineering West, sponsored by College of Engineering.

Exhibits

Museum of Art — Gallery A, Charles Burchfield, Drawings. Gallery C, selections from Permanent Collection, opening Nov. 18.
Zoller Gallery, Visual Arts — BFA Show, through Nov. 10. Graduate Show, Nov. 11-17. Donald Bruno, graphic design, opening Nov. 12.
Kern Gallery — Phil Schuster, ceramic sculpture, Roger Gramer, pottery, Bill Russell, jewelry, Barry Kirby, prints, Tonio DeFurlo, acrylics, opening Nov. 18.
Pattee Library, first and second floor east corridors — photographic exhibit. Rare Book Room — Australian exhibit honoring the late Dr. A. Bruce Sutherland.
Chambers Gallery — Design Show, a selection of mass-produced objects, through Nov. 16.
Arts Building — Playhouse Gallery, color photos by winners in a national student scenic and costume competition sponsored by the American Theatre Association.



University Theatre

The final performances of "One Flew Over the Cuckoo's Nest" will be given at Playhouse Theatre today (Thursday) through Saturday. The Delo Wasserman adaptation of the Ken Kesey novel was one of the longest running off-Broadway plays in history. It is a "hip morality play" reminiscent of the morality plays of the Middle Ages but in a setting of a computerized age. Curtain time is 8 p.m.

THANKSGIVING DINNER

The HUB Terrace Room catereria will serve Thanksgiving Dinner Monday, Nov. 19, from 5 to 8:45 p.m., featuring roast turkey with dressing, seafood Newburg, stuffed pork chop, roast tipped beef, and chopped steak with mushrooms and entrees and for dessert mince and pumpkin pie, midnight layer cake, and other goodies. Service at the catereria will end with the evening meal on Nov. 21 and resume with breakfast Dec. 2. The snack bar will close after Nov. 20.

DR. WALKER TO SPEAK

President Emeritus of the University, Dr. Earl A. Walker, will address engineering students and faculty members and the general public Tuesday, Nov. 13, at 3:55 p.m. in Room 115 Electrical Engineering West in his first lecture to the College of Engineering since his retirement in 1970. He will discuss "Putting Research to Work," related to the introduction of new products and processes in commercial operations from a research state. He is now vice president for science and technology of the Aluminum Company of America.

DELAWAREELECTION

Judge Louis A. Bloom, of the Delaware County Common Pleas Court, has been re-elected president of the Delaware County Campus Advisory Board. He has been on the Board since 1967, the first year of the Campus's operation, and is beginning his sixth term as president.

ORCHESTRA PERFORMS

Three 19th century orchestral works will be performed by Penn State's Symphony Orchestra, conducted by Dr. D. Douglas Miller, assistant professor of music, Saturday, Nov. 10, at 8 p.m. in Schwab Auditorium. The works are "Overture to Tchaikovsky's 'The Nutcracker,'" "The 'Semiramide' by Rossini," Tchaikovsky's fantasia, "Romeo and Juliet," and "Symphony No. 1 in B Flat, Opus 38," subtitled "The Spring Symphony," by Robert Schumann.

BURCHFIELD OPENING

Drawings by the modern American painter, Charles Burchfield, will be exhibited in Gallery A, Museum of Art from Sunday, Nov. 11, through Dec. 20. Selections from the Permanent Collections will also be shown beginning Nov. 18 in Gallery C. The Burchfield exhibit includes 44 drawings relating to two of the artist's major watercolors, "Solitude" and "The Moth and the Thunderclap," both of which are displayed. Studies for "Solitude" spanned 45 years of the artist's life, while its companion painting was completed in nearly one sitting, and together with the drawings they demonstrate many, different facets of the artist's career. Also included in the exhibit are four other Burchfield paintings.

LIBRARY NOTES

The Undergraduate Library at Pollock South will extend its scheduled hours beginning Monday, Nov. 12, and continuing through Wednesday, Nov. 21. The schedule during that period is as follows:
Monday-Friday, Nov. 12-16 — 9 a.m. to 2 a.m.
Saturday, Nov. 17 — 9 a.m. to 5 p.m.
Sunday, Nov. 18 — 1 p.m. to midnight.
Monday-Tuesday, Nov. 19-20 — 9 a.m. to midnight.
Wednesday, Nov. 21 — 9 a.m. to 5 p.m.
Thursday, Nov. 22 — Closed. Reopen Thursday, Dec. 6, 9 a.m.
The Undergraduate Library at East Halls will remain as usual; the Library will close Thursday, Nov. 22, and remain closed until Dec. 6 at 9 a.m.

The term-break schedule for Pattee Library is as follows: Close Wednesday, Nov. 21, at 5 p.m.; Friday, Nov. 23, open 7:45 a.m. to 5 p.m.; Saturday-Sunday, Nov. 24-25, closed; Monday-Friday, Nov. 26-30, open 7:45 a.m. to 5 p.m.; Saturday-Sunday, Dec. 1-2, closed; Monday-Wednesday, Dec. 3-5, open 7:45 a.m. to 5 p.m.; Thursday, Dec. 6, open 7:45 a.m. to midnight.

LECTURE-RECITAL

Twentieth century British piano works will be the subject of a lecture-recital by British pianist and composer John McCabe tonight (Thursday) at 8:30 p.m. in the Music Bldg. recital hall. The program will include two of McCabe's own compositions, "Aubade, Study No. 4," and "Fantasy on a Theme of Liszt," as well as works by five other English composers. McCabe is visiting the campus with French horn player Ifor James this week under the sponsorship of the Institute for the Arts and Humanistic Studies with the cooperation of the Department of Music.

GLEE CLUBS JOIN FORCES

Under the direction of Bruce Trinkle, assistant professor of music, Penn State's 55-voice Glee Club and the Manhattanville College Glee Club from Purchase, N.Y., will perform Sunday, Nov. 11, at 3 p.m. in the Music Bldg. recital hall. The Penn State will present works by Poulenc, Carissimi, Leisinger, and Handel. The second portion of the program will feature the Manhattanville singers, directed by Gerald Weiss. The visitors will do two Christmas motets by Byrd, and the "Ave Maria" by Brahms and by Holst. Together, the two glee clubs will perform Poulenc's "Gloria."

PLAYHOUSE

Today through Saturday, Nov. 8-10, Penn State audiences can see the Playhouse Theatre production of "The 'Hip morality play'" which Dale Wasserman adapted from Ken Kesey's novel, "One Flew Over the Cuckoo's Nest."

The play, according to its director, Richard Edelman, is reminiscent of the morality plays of the Middle Ages, "a black comedy version of Man's search for salvation in the face of the computerized temptations and punishments of modern society."

Edelman, who is also artistic director for the Summer Festival of American Theatre, considers the play a kind of pop art piece, "with real heroes and villains, but even the villains are forced into their position because of the system."

One of the longest running Off-Broadway plays in history, One Flew Over the Cuckoo's Nest" is recommended for mature audiences. Running time is 2 p.m., and ticket information and reservations can be made by calling 814-865-1884.

ENVIRONMENTAL PRE-PLANNING

Dr. Norman Young, president and chairman of the board of the ITT Community Development Corp., will discuss the importance of urban and environmental pre-planning today (Thursday, Nov. 8) at 4 p.m. in Room S-131 Human Development, in the EBS Lecture Series. He will also talk about the psychological and sociological considerations in planning new communities.

CAMPUS COMPUTER ROLE

The director of the Dartmouth College Computer Center, who co-authored the language BASIC, Dr. Thomas E. Kurtz, will address the meeting today (Thursday, Nov. 8) of the Central Pennsylvania chapter of the Association for Computing Machinery at 8 p.m. in Room 105 Forum. His topic will be "The Role of the Computer on Campus." He says the computer has become comparable to the library in importance, size and diversity of application in the University community. Dartmouth, considered a leader in the computer field, has two large computers which 3,500 students have available through more than 200 typewriter terminals.

WINS RECOGNITION AWARD

James R. Miller, graduate assistant in entomology, is the winner of the Graduate Student Recognition Award of the Eastern Branch of the Entomological Society of America and will receive, in addition to cash of \$100, an all-expense travel award to attend the national meeting of the Society Nov. 26-30, in Dallas, Texas. Considered an outstanding graduate student, with many other awards and recognitions, he has compiled a 3.95 average in graduate school, is vice-president of the Pennsylvania State Entomological Association and is a member of the Pennsylvania Academy of Science.

Pattee exhibit honors Bruce Sutherland

Australian literature subject of talk

The author of more than 20 books, Colin Roderick, professor of English at James Cook University in Australia, will be on campus Nov. 12 through Nov. 16 as a visiting fellow of the Institute for the Arts and Humanistic Studies.

His lecture on "The Character of Australian Literature" at the English Department Colloquium on Nov. 14 will honor the late Dr. A. Bruce Sutherland, professor of English at the University, and the first person to teach courses in Commonwealth literatures in this country. He began Penn State's program in 1942.

Focus centering on what's happening

There's a new focus at Focus, the student magazine at the University.

Ken Chestek, editor of Focus, says the publication will no longer be viewed as a journal of criticism or an "anti-establishment" organ.

"The magazine is now concerned with investigative reporting, not with muckraking," he says. "We are setting out to find out what's happening in certain areas, not what is wrong with something. Our goal is honesty."

The format of Focus will reflect the change. For the first time, the magazine is presented as a tabloid.

Staff vacancies

To make application for the vacancies listed below call 865-1387 (Network 475-1387) no later than:

5 p.m., Thursday, Nov. 15, 1973

ASSISTANT DIRECTOR OF BROADCASTING FOR OPERATIONS AND SERVICES CONTINUING EDUCATION

Responsible to the Director of Broadcasting for the administration of the operations and services section of the Division. Provides assistance in the use of the Division facilities. A Bachelor's degree, or equivalent, and over four years of experience in broadcast program production, other media production, or related fields, plus administrative experience are preferred.

VETERANS OUTREACH ASSISTANT

PERMANENT FOR STUDENT AFFAIRS
Responsible to the Coordinator of Veterans Affairs for the effective implementation of a viable outreach program with all Commonwealth Campuses. The Veterans Outreach Assistant will implement a publicity campaign designed to attract veterans to the Pennsylvania State University system.

Funding Opportunities

For more information, call 865-1372 except where noted below, and enter to the list by its number and the general information provided. People with grants information for dissemination in this column should call the same number.

November 8, 1973

(104-1) The NSF Division of Social Systems and Resources supports applied research research organizations, and the delivery of selected services in metropolitan areas. Goals are: (1) to improve delivery of selected research services by describing, analyzing, and evaluating alternative delivery schemes; and (2) to promote faster use of research results by extensively disseminating them to local governments. One 6-month award may be made in each of five service areas: fire, police, social waste collection and disposal, public health (excluding mental health), and water and sewage management. Proposals must be received by 5 p.m. Jan. 22, 1974. The starting date can be no earlier than April 1, 1974, nor later than June 15, 1974. Guidelines are available.

(104-2) Women who wish to undertake two years of graduate or post-doctoral research at St. Anne's College, Oxford, England, may apply to the Rhodes Scholarship Trust. Travel allowances and a 1,650-pound (about \$3,900) per year stipend will be made during the two-year stay, which will begin Oct. 1974. The applicant must be a U.S. or British citizen and must apply before Oct. 31, 1973. Six copies of a list of qualifications, a brief proposal of research, and the names of two or three people prepared to support the applicant must be sent to the Principal, Rhodes College, Oxford, England, written to the Rhodes Scholarship Trust, c/o W. Barber, Westway University, Middlesex, U.K. 2045.

(104-3) Women who will have passed their comprehensive exam by Jan. 2, 1974, may apply for \$2,500 to \$5,000 annual AAWU fellowships to begin July 1, 1974. Post-doctoral awards (\$5,000/year) are also available from the American Association of University Women. Applications are due extended Oct. 1, 1974, and can be obtained from the AAWU, Fellowship Office, 2401 Virginia Ave., NW, Washington, D.C. 20037.

An exhibit of Australian, also in honor of Dr. Sutherland, who died in 1970, a year after retiring, is on display in the Rare Books Room of Pattee Library until Nov. 30.

Professor Roderick is an authority on the Australian poet Sir Henry Lawson and has published a number of books about him as well as studies of Australian novelists. He is currently on a world tour lecturing on the character of his national literature.

At Penn State, he will also speak to the Comparative Literature Luncheon on Nov. 13 on "Cook's Voyages and the Noble Savage."

Plans call for another issue to appear during the Fall Term, with two issues per term scheduled for the Winter and Spring Terms.

The initial issue, which will be distributed free beginning Nov. 12, highlights the transportation situation in the area. The second issue will be concerned with the question, "Education — Is It a Right or a Privilege?"

Besides the in-depth investigative reporting, the magazine will feature pieces of fiction and poetry. Contributions of articles and other materials are encouraged.

Some positions frequently become available because of the number of employees in them are listed below and will not be filled on an individual basis. Applications for such positions may be made at any time; your interests may be made known only to the Employment Division in consideration when vacancies occur.

AT HERSHY MEDICAL CENTER — Resident Nurse; Practical Nurse; X-ray Technologist; Medical Technologist; Laboratory Technician; Radiology Service Center at each campus within its system. Bachelor's degree preferable with some experience in the area of Veterans Services. The employee should be an honorably discharged veteran with active duty experience.

Some positions frequently become available because of the number of employees in them are listed below and will not be filled on an individual basis. Applications for such positions may be made at any time; your interests may be made known only to the Employment Division in consideration when vacancies occur.

AT HERSHY MEDICAL CENTER — Resident Nurse; Practical Nurse; X-ray Technologist; Medical Technologist; Laboratory Technician; Radiology Service Center at each campus within its system. Bachelor's degree preferable with some experience in the area of Veterans Services. The employee should be an honorably discharged veteran with active duty experience.

AT UNIVERSITY PARK — Assistant Food Supervisor.

Applications for staff vacancies are confidential with regard to race, color, creed, sex, or national origin.

THE UNIVERSITY IS AN EQUAL OPPORTUNITY EMPLOYER

Ington, O.C. 20037. Women who request applications for information, call 1725 S Street, NW, Washington, D.C. 20036. Application deadline for the \$500 stipend and books and tuition costs is Dec. 31, 1973. Write to R. L. Dean, Universities Program, OSU, 7th and D Streets, SW, Washington, D.C. 20590.

(104-6) American Institute of Archival (1735 Pennsylvania Ave., NW, Washington, D.C. 20006) offers graduate, undergraduate and post-doctoral fellowships. Application forms may be secured from address given above until Nov. 15, 1973. For further information, call 202-331-1000.

(104-6) National Wildlife Federation (1611 16th St., N.W., Washington, O.C. 20036) offers doctoral fellowships for research in conservation related fields. The application deadline is Dec. 7. For further information, write to address given above.

(104-7) The Population Council (245 Fifth Ave., New York 10001) offers doctoral research awards in demography and related fields. Application deadline is Oct. 1, 1973.

(104-8) Organization of American Geographers (1100 15th St., NW, Washington, D.C. 20004) offers stipend for doctoral dissertation studies in Latin America. Application deadlines are Nov. 15, 1973, and Jan. 15, 1974.

REMINERS — DEADLINE DATES
Nov. 28 for NSF/NRAN Research on Solar Energy Heating and Cooling Systems (Oct. 15 INTD-73-000000); Oct. 1 for NSF Engineering Research Initiative Grants (Sept. 27 INTD-73-000000); Oct. 7 for NSF Undergraduate Student Research Awards (Sept. 27 INTD-73-000000); Oct. 15 for NSF Graduate Student Training program; and NSF Student Organized Studies program (Sept. 6 INTD-73-000000).
Oct. 15 for preliminary proposals for NSF Research on the Role of the Sun in the Earth's Energy Balance (Oct. 25 INTD-73-000000).
Oct. 15 for preliminary proposals for NSF Research on the Role of the Sun in the Earth's Energy Balance (Oct. 25 INTD-73-000000).
Oct. 15 for preliminary proposals for NSF Research on the Role of the Sun in the Earth's Energy Balance (Oct. 25 INTD-73-000000).

PENN STATE intercom

Volume 3, Number 11

November 15, 1973

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

Undergraduate studies head sought; Dec. 1 deadline for recommendations

Recommendations for the position of Director of the new Division of Undergraduate Studies at the University are now being requested by the Search Committee. The Committee will prepare a list of the most qualified candidates for submission to the Vice President for Undergraduate Studies.

The new Division, which began operation on October 1 under an acting director, has the responsibility for advising, enrolling and registering undergraduate students who are not in one of the Colleges of the University. The Division will also provide certain services for adjunct students enrolled in resident education and some others aspiring for degree programs. The testing and counselling program for new undergraduates before they enter their first term will be provided by this unit. The Division is also responsible for improving academic advising throughout the University, by developing an academic information system and providing support and assistance with academic advising at all University locations.

The Director of the Division of Undergraduate Studies will be its principal administrative officer. The Committee is looking for individuals with a keen sensitivity to the needs of students and the ability to work effectively with leaders of the academic units of the University. The candidates should have the qualifications for

faculty rank and experience advising undergraduate students within the past five years. Candidates should have exhibited administrative competence commensurate with the responsibilities of the position and be able to communicate well with all members of the academic community.

In addition, the candidate should probably hold a doctoral degree, have had recent college level teaching experience, have displayed skills in innovating planning and development, and have experience with a multifaceted University.

Candidates may refer themselves, or anyone may submit credentials for individuals currently within or outside the University. The suggestion of a candidate should be accompanied by a resume of academic and professional history and any other data relevant to the qualifications described above. Letters of recommendation or names of people who might be contacted for references should also be supplied.

The Committee would appreciate receiving documents on suggested candidates as soon as possible, and cannot guarantee consideration of material received after December 1.

All material relating to the position of Director of the Division of Undergraduate Studies should be addressed to the Chairman of the Search Committee, Box 901, Room 205, Old Main, University Park, Pa.

It's hard work, but students say it's rewarding

Applications being accepted for Marine Science program

The work is hard, the hours are long, but the satisfactions are many for the Penn State students who schedule the Marine Science Program of 12 credits each spring.

Applications are being accepted now for the three-course session March 18 to May 25, 1974, at Wallops, Va., in which students will study Coastal Biology, Coastal Geology, and Methods in Oceanography, under the guidance of an interdisciplinary faculty coordinated by Dr. Albert L. Guber, associate professor of geology. Application forms may be obtained from Dr. Guber in Room 309 Deike.

The deadline for return of the applications is Dec. 21, and students will be informed of their selection by the time classes resume in January.

Typical comments of students previously enrolled in the courses are:

"I can't remember having worked so long and learning so much with so little drudgery."

"The program was what a university should be all about but usually never is — a place for learning and working together toward a mutual understanding of some process or processes."

"This was one of the few times in my college career that I have had to really think, sort out ideas, or solve a problem."

In the first year of the program, in which the Colleges of Science, Engineering, and Earth and Mineral Sciences cooperate, 40 students studied at Wallops, and last spring 50 students from 20 different majors were enrolled.

The instruction in the course is provided by Penn State faculty members, in departments such as aerospace engineering, geology, botany, biology, microbiology, food science, and the Applied Research

Laboratory, each of whom is on the Wallops site for two or three weeks at a time.

The facilities at Wallops Island, on long term lease from the National Aeronautics and Space Administration, are operated by the Marine Science Consortium, Inc., of which Penn State is a member along with eight Pennsylvania state colleges, Indiana University of Pennsylvania, American University, Catholic University of America, and West Virginia University. Students live and study in dormitories when they aren't out in the coastal waters or on board one of the Consortium's ships, such as the 95-foot research ship used in the program.

The Marine Science Program is open to juniors and seniors from any academic major in the University; this year 38 men and 12 women were enrolled. A majority say they had never really been involved in sail water experiences although they had hoped to study marine science. Applications have exceeded available spaces in the past, and the selection of participants has been based on a good grade-point average, some science background, and a capacity for hard work.

The faculty also has a demonstrated capacity for hard work. Wallops Island is isolated, television and radio reception are not good, social activities are group-generated, and their families are far away, so in effect the faculty members are available to the students 24 hours a day. Witnessing the faculty's enthusiasm, the students become inspired to share in the spirit of learning by doing.

In addition to Dr. Guber, faculty members who expect to teach next spring include: Charles Bursky, assistant professor of biology (Shenango Valley Campus); John P. Clay, research associate in aerospace engineering; William J. Leiss, as-

For 37 years he's made the long trip to the opera

Lord to see 1001st Met performance

Neither snow nor rain nor heat nor gloom of night — can keep Walton J. Lord from the Metropolitan opera.

Lord, associate professor of art history, is just about to celebrate his 1001st night there, a record amassed over a 37-year span during which he has been both spectator and "super" — an extra performer — with the company.

Even with a brand new interstate stretching most of the way between Penn State and New York City, the trip to the Met is rarely less than 4½ hours, and when Lord first started commuting in earnest in the 'forties, the drive could take eight or nine hours each way. Snowstorms and icy highways are added rigors.

None of this stops Lord, who figures that he averages about 60 productions a year, what with weekend doubleheaders at matinees and evening performances and by dint of cramming in 15 to 18 operas at term breaks and after classes end in June.

His infatuation with opera began as a teen-ager after his mother took him to hear "La Boheme."

"She was known as a 'Gerry-flapper' in her day," he notes, "part of the clique that idolized the late Geraldine Ferrar, and she used to tell me about hearing Caruso sing."



Walton J. Lord

Lord started to attend opera regularly as a Penn State undergraduate. He earned a bachelor of science degree in bacteriology in 1939 and then spent six years in the Air Force, returning to take a second degree in art and architectural history. Then he went to Harvard for a master's in art history.

Although the bulk of his opera going has been as a spectator, Lord has supervised for at least 100 performances.

"I knew people who were doing it," he recalls, "and eventually I met one of the Met's assistant stage managers who arranged my debut. It was in 'Aida,' which is quite a workout for the supers. In the first place, you have to cover yourself with a brownish-orange tempera paint to look Egyptian, and it's very hard to remove afterwards."

"Then, Rhadames' army is supposed to seem huge, so the supers come in three times. First I carry a spear, then I exit, drop it, pick up a bow and arrow and go on again. In my final appearance, I march across the stage brandishing an elephant tusk."

"The Met pays me \$5.00 for my efforts, but what they don't know is I'd gladly pay them."

At various times in his operatic "career," Lord has shot Franco Corelli at the end of "Tosca," worn a nightgown and thrown pillows in a scene from "Der Meister-singer," and carried a spear in "Il Trovatore" and bandoliers in "Carmen." He particularly likes his Spanish costume in the latter opera.

"The supers got to meet the stars, and most of them are very friendly," he reminisces. "Of course, you wouldn't dare talk to them just before they go on because they're very tense, but they'll come off stage and ask you, 'How was I?' and you assure them they were marvelous."

He has also witnessed displays of the famous operatic temperament.

"I remember one performance of 'Tosca,'" he says, "when Luisa Welch was supposed to stab Lawrence Tibbett. The two of them were feuding, so after he fell to the floor, she managed to administer a few good hard kicks which he literally had to take lying down, since he was supposed to be dead."

"On another occasion, Grace Moore, one of my favorite singers, and Jan Klepura were feuding. In the first act of 'La Boheme,' there is a love duet, and he used to pick up the chair she was supposed to sit in and move it away to draw attention to himself. That night, when he went to pick it up, he couldn't budge it. Grace Moore had nailed it down."

(Continued on page two)

Computer study

An Introductory Programming Workshop, regularly conducted by the Computation Center between academic terms, will be held the week of November 26.

Basic computer concepts and techniques of programming in the FORTRAN IV language will be studied. The workshop is open to all faculty, staff, and graduate students who have had NO previous computer experience. Lectures will be given each morning and afternoon, Monday, November 26, through Friday, November 30. All sessions will be held in Room 112 Buckhout Laboratory. Each morning session will start at 9 a.m. and each afternoon session at 1:30 p.m.

Sample programs will be studied and practice programs will be assigned throughout the week. In order to gain the maximum benefit, participants should plan to devote the entire week to the workshop.

Registrations will be accepted by Linda Yarnell, Room 229, Computer Building, immediately. A charge of \$3.00 (cash or interdepartmental transfer) for course materials will be made for each registrant. Computer charges will be borne by the Computation Center, and participants can use the computer for practice purposes free of charge for the Winter Term.

Service Award



Louis W. Balmer (center), one of the members of the Behrend College faculty when it was opened, received the University's 25-Year Service Award from Irwin H. Koechel, director of the College, and Chester Reichert, Jr. (left), president of the Behrend Advisory Board. In addition to teaching first and second year courses in chemistry, he has been the College commencement marshal, has served for a number of years as chairman of Engineers Week program, a community-wide effort, and has taught classes on the campus for high school science teachers. He has always been active in the Boy Scouts of America, twice being honored by the national office for his work. He has also served as chairman of the Erie section, American Chemical Society. Now associate professor of chemistry, Balmer joined the Behrend faculty in 1948 as instructor.

Tenure articles by faculty in current JGE

The faculty is well represented in the current (October) issue of the Journal of General Education, which is published by the University Press and edited by Dr. Henry W. Sams, professor of English and associate dean of the Graduate School. Dr. Gerald J. Gladkowski, assistant professor of education at Fayette Campus, contributes an article, "On Becoming Obsolete."

John Haag, associate professor of English, contributes the poem, "Some Accurate Information about Angels."

Six members of the faculty — Drs. Sams, Thomas F. Magner, Forrest J. Denick, Ruslun Roy, Robert K. Murray, and Jacob B. Bartoo — have given short "Faculty Opinions on Tenure" in the book review section, commenting essentially on "Faculty Tenure, A Report and Recommendations of the Commission on Academic Tenure in Higher Education," published by Jossey-Bass Publishers.

Other articles in this issue include "Community College — Source of a Liberally Educated Citizenry," by Richard Magagna, Colville Community College, South Fallsburg, N.Y., and "Empire State College: Fact or Innovation?" by L. Drew Keller, Victor P. Meskill, Nassau County Community College and C. W. Post Center of Long Island U., respectively.

Philip Withim, associate professor of English at Bucknell University, is author of "From Symptom to Process: The Movement of Psychoanalytic Criticism." Scott Edward, associate professor of political science at California State University at Hayward, writes on "Western CIVIL after the Revolution."

Members of the faculty may obtain the Journal at reduced rates. Inquiries should be directed to the University Press, 215 Wagner Blvd.

LORD —

(Continued from page one)

Lord's personal favorites are Mozart operas, but his tastes, he insists, are quite broad.

"It really depends on who's singing," he explains.

His 1001st performance will take place on Dec. 8 when he plans to hear Jost Sutherland in "The Tales of Hoffmann." He saves his old programs and over 10 years estimates he has seen 144 different operas. However, his record is marred by one omission.

He has a colleague and former teacher, Francis Hyatt, who he says, "who years ago in Paris saw a production of an opera called 'Marouf' by a now almost forgotten composer, Robaud. Whenever I tell him about seeing a new opera, he kids me. 'But Jim, you've never seen Marouf.'"

Master's degree in reading, English, or a related field with an exceptionally strong background in a learning specialist both in experience and in training. Should be able to administer diagnostic tests, remedial reading techniques, and study skills techniques.

RESEARCH ASSISTANT — PUBLIC HEALTH
COLLEGE OF AGRICULTURE
University Park

Responsible to the Project Leader for assisting in research by conducting and preparing experiments and for compiling data and reporting results. Bachelor of Science degree, or equivalent, with special emphasis on Biology, including Physiology, Genetics and Botany, and knowledge of chemistry desirable plus twelve months of related experience are preferred.

PUBLIC INFORMATION SPECIALIST
Beaver Campus

Responsible for the development, implementation and coordination of an effective public information program, with emphasis on campus relations. A Bachelor's degree, or equivalent, in journalism, advertising, communications or related fields, and at least two years of related experience are preferred.

ASSISTANT COORDINATOR OF ADMINISTRATIVE SERVICES
COLLEGE OF HUMAN DEVELOPMENT
University Park

Responsible for administering all personnel policies in the College, for liaison with administrative offices and organizations, and for development of management information systems for the College. A Bachelor's degree and over two years of administrative experience are preferred. Applications for staff vacancies are considered without regard to race, color, creed, sex, or national origin.

THE UNIVERSITY IS AN EQUAL OPPORTUNITY EMPLOYER

Funding Opportunities

For more information, call 855-1372 except where noted below, and refer to the item by its number and the general information provided. People with grants information for dissemination in this column should call the same number.

November 15, 1973

(105-1) The Alternatives In Higher Education Program (AHÉ) of the National Science Foundation focuses on the development of a flexible quality science curriculum geared to equip students with training that will enable them to consider a wide range of careers. It contains three separate approaches for FY 1974, as noted below. Guidelines will be available soon. There are no formal deadlines. . . . **Development of Instructional Materials** and Modes shifting toward "newly emerging, interdisciplinary, problem-oriented subject areas" and "more effective and efficient modes of delivery." Focus will be on "the creation of new instructional materials, and the development of sequences in newly-significant science or engineering-based problem areas" and on-and-off campus delivery systems. . . . **Alternative Degree Programs** for design and implementation of curriculum prototypes that lead to a wider variety of career options in areas of recognized national need. New undergraduate or graduate degrees or the restructuring of existing degree programs may be proposed. . . . **College Faculty Workshops** to combine the talents of college teachers and research scholars to create and test study materials for use by undergraduates.

(105-2) To Improve effectiveness and efficiency in science education, the National Science Foundation will provide support "to assist in the design, development and evaluation of a few major experimental models of new approaches to the organization, education, management, delivery and content of science education." Projects with a reasonably sharp focus and a manageable scope are expected. Three program areas are to be funded: (1) **Experiments in Restructuring the Undergraduate Learning Environment (RULE)**; (2) **Experiments in State, Regional, or Urban Systems of Science Education (SYSTEMS)**; and (3) **Experiments in Pre-Service Education of Teachers of Science (PSTPE)**. Project support may be requested for up to three years. Preliminary proposals or letter of inquiry may be directed to: . . . Experimental Programs Group, Office of Experimental Projects and Programs, NSF, Wash. D.C. (202)282-7770. There are no deadlines. Up to four weeks is required for response to preliminary proposals. About six months for formal proposals.

(105-3) Atomic Energy Commission (AEC) George Emmer, Div. of Physical Research, Contract Admin. Branch, Washington, D.C. 20540, supports M.S. and doctoral theses related to nuclear energy on A.E.C. Laboratories. A stipend of \$3000/year, \$500 dependent plus travel is available for 6-12 months.

(105-4) Woodrow Wilson National Fellowship Program (Box 642, Princeton, N.J. 08540) offers Martin Luther King fellowships for black veterans. Award is for 9 months, may be renewed once. Applicant must be eligible for veteran's benefits. Stipend plus tuition are provided. For further information, write address given above.

(105-5) American Home Economics Association Foundation (Fellowships Committee, 2010 Massachusetts Ave., N.W., Washington, D.C. 20036) awards a variety of fellowships for graduate study and research. Application deadline is Feb. 1, 1974. For further information write address above.

(105-6) American Institute of Steel Construction (Committee on Education, 101 Park Ave., New York 10017) offers fellowships for graduate study to civil and architectural engineers majoring in structural engineering. Application deadline is Feb., 1974. For further information, write address given above.

all areas under his supervision. Requires completion in Power Plant and related Utilities Operations including complete trades or apprenticeship training or equivalent plus four to seven years' effective experience and demonstrated leadership ability.

LIBRARY ASSISTANT — MONOGRAPH RECLASSIFICATION/CATALOGING
UNIVERSITY LIBRARIES
University Park

Responsible to the Monograph Original Cataloging Librarian for the reclassification of non-project monographs and sets from the Dewey system to the Library of Congress system and to the Supervisor, Catalog Division, for the training of cataloging clerks and for other related duties. A Bachelor's degree, or equivalent, with a reading knowledge of at least one foreign language and at least 1½ years of related experience are preferred.

COMMUNICATIONS SPECIALIST
INP
University Park

Responsible to the Director of the Pennsylvania Transportation and Traffic Safety Center for assistance with all types of communications within the University and outside agencies and individuals. A Bachelor's degree, or equivalent, with special knowledge in editing, report production, with an ability to work with highly technical material, and up to two years of related experience are preferred.

FILM COORDINATOR
CONTINUING EDUCATION
University Park

Responsible to provide film services to the Division of Broadcasting production and programming, and coordinate and provide direct supervision of film services. A Bachelor's degree or equivalent and a minimum of three years' professional experience in film production are preferred.

Staff vacancies

To make application for the vacancies listed below call 855-1387 (Network 475-1387) no later than:

5 p.m., Thursday, Nov. 29, 1973

ADMINISTRATIVE ASSISTANT (EXPENDITURE CONTROL)
COLLEGE OF EDUCATION
University Park

Responsible to the Associate Dean for Research for administrative support to include the coordination and control of miscellaneous fund and budgets. A Bachelor's degree with some formal training in data processing, plus at least two years of administrative experience are preferred.

MECHANICAL ELECTRICAL DRAFTSMAN
OFFICE OF PHYSICAL PLANT
University Park

Responsible for design drawings of heating, ventilating, air conditioning systems, plumbing systems, and electrical systems as assigned. A technical school or associate degree in mechanical and electrical drafting and at least two years of related experience, or work experience equivalency and at least four years' additional related experience are preferred.

FOREMAN UTILITIES (POWER PLANT)
OFFICE OF PHYSICAL PLANT
University Park

Responsible for the continuous operation of Power Plant and all utilities facilities and systems on assigned shift. Responsible for supervision and control of electrical and mechanical, and for applying knowledge of work activities involved and the general overall missions and objectives of the Department and University. Responsible for overall character and total performance results of

above.

(105-7) Ralston Purina Company (Public Relations Dept., Checkerboard Square, St. Louis, Mo. 63168, (314) 928-3220) offers fellowships for research in nutrition and physiology. Application deadline is Jan. 15, 1974. For further information, write address above.

(105-8) S. S. Heubner Foundation (2461 Locust Walk, Philadelphia, Pa. 19174) offers doctoral fellowships for study of risk and insurance lending in business and economics. Application deadline is Feb. 1, 1974.

(105-9) National Association of Purchasing Management (11 Park Place, New York 10007) offers dissertation fellowships in the area of industrial purchasing. Application deadline is Feb. 1, 1974.

(105-10) State Farm Companies Foundation (1 State Farm Plaza, Bloomington, IL 61701) offers fellowships for seniors and first-year graduate students in business administration, computer science, economics, mathematics, and statistics. Application deadline is Feb. 1, 1974.

(105-11) Poynter Fund (P.O. Box 625, St. Petersburg, FL 33731) offers fellowships in journalism for students planning careers in newspaper fields. Application deadline is July 1, 1974.

(105-12) Resources of the Future, Inc. (1755 Massachusetts Ave., N.W., Washington, D.C. 20036) offers fellowships and research support in the area of natural resources, involving social sciences and related fields for doctoral candidates who have passed their comprehensive examinations. The application deadline is Feb. 1, 1974.

REMINERS — DEADLINE DATE
Dec. 7 for NSF Undergraduate Research Participation, NSF Summer Student Study Science Training program, and NSF Student Originated Studies programs (NSF-INTERCORE 210-3). Dec. 15 for preliminary proposals EC/EP/PE program (Nov. 1 INTERCORE 210-3). . . . Jan. 15 for Rockefeller and Ford Foundation Population Policy Research (201-256-1200). . . . Jan. 22 for NS Service Division in Metropolitan Areas (Nov. 8 INTERCORE 210-4).

MANAGER, MEDICAL COMPUTER CENTER
COLLEGE OF MEDICINE
Hershey Medical Center

Responsible for the operation and administration of instructional, administrative, and research computer services, specifically, hospital and professional billing, and medical research applications for the Medical Center. A Bachelor's degree, or equivalent, with background in computer science, and administration, plus at least four years' experience in the computer field.

NEUROSCIENCE ASSISTANT
COLLEGE OF MEDICINE
Hershey Medical Center

Responsible to the Chief of Ophthalmology for handling clinical and research duties and performing various ophthalmic examinations. High School graduate, registration with the American Association of Ophthalmology, plus one to two years of experience in an eye clinic or an Ophthalmologist office are desired.

NEUROSCIENCE ASSISTANT
COLLEGE OF MEDICINE
Hershey Medical Center

Responsible to a Neurosurgeon for various diagnostic and therapeutic tests involving patients and assist the surgeon in the operating room as required. A Bachelor's degree plus completion of American College of Surgeons Accredited Course for Surgical Assistants plus at least two years of related experience are desired.

LEARNING SPECIALIST — LEARNING SUPPORT OFFICE
STUDENT AFFAIRS
University Park

Responsible to the Assistant Coordinator, Veterans Affairs Learning Support Office for the effective implementation of the Remedial Core, which includes the Diagnostic Service; Skill Development; and Tutorial Service of the Learning Support Office.

University Calendar

November 15-25, 1973

(Organizations wishing to include information in the Winter Term calendar, to be published during the week of December 3, should send such information immediately to the Department of Public Information, 312 Old Main. Space may require limiting items to those of rather general interest, though every attempt will be made to include as much as possible)

MEETINGS

Thursday, Nov. 15 — USG Academic Assembly 7:30-9 p.m., Room 203 HUB.
Tuesday, Nov. 20 — Liberal Arts faculty 3:35 p.m., Room 121 Sparks.
Tuesday, Nov. 20 — College of Agriculture, 4 p.m., HUB assembly room.
Wednesday, Nov. 21 — Graduate Council 3 p.m., Room 101 Kern.

EXHIBITS

Museum of Art — Gallery C. Selections from Permanent Collection. Gallery A, Charles Burfield, drawings.
Zoller Gallery, Visual Arts — Donald Bruno, graphic design. Graduate Show. Kerl Gallery — Phil Schuster, ceramic sculpture, through Nov. 17. Roger Cramer, pottery. Bill Russell, jewelry. Barry Kirby, prints, through Nov. 17. Tony DeFurio, acrylic paintings, opening Nov. 18.
Chambers Gallery — Design Show, through Nov. 16.
Pattee Library, Rare Book Room — Australiana Exhibit, opening the late Oct. or A. Bruce Sutherland. First Floor East Corridor — three-man photography show, through Nov. 16.
Arts Building, Playhouse Gallery — Color photos by winners in a national student sculpture and costume competition sponsored by American Theatre Association.

News in brief

FIREARMS PROHIBITED

All firearms and offensive weapons are prohibited in developed areas of the campus, the Department of University Safety reminds hunters. This provision applies to faculty, staff, students, and visitors. Persons residing in residence halls who wish to bring weapons to the area for hunting season must store them off campus in a safe and secure place. Hunting is permitted in most undeveloped areas of the campus, except as otherwise posted.

KERN CAFETERIA

The Kern Graduate Building Cafeteria will be closed Thanksgiving Day, Nov. 22, and the following day, Friday. During the period between terms, the facility will be open Monday through Friday, 7:30 a.m. to 2 p.m. (Nov. 26-30).

MAIL BOX REMOVAL

The white mail box at the corner of Curtin and Fraser Roads, which had been damaged in some manner, will be removed Monday, Nov. 9, for repairs. Users of the box, which is marked "For Metered Mail Only," may deposit late mail to be metered in the white boxes at Ferguson Building parking area or behind Willard Building. Repair of the box may take some time.

Women's Club

The Faculty Women's Club will sponsor a Penn State Sorite Saturday, December 1, beginning with dinner at 6:30 p.m. in the Fireside room of the Nittany Inn. Following dinner there will be private small group tours of the new addition to Pattee Library. The Art Museum and Kern Graduate Center Art Exhibit will be open to dinner guests also.

The event is open to Faculty Women's Club and Newcomers Club members, their spouses or a guest. Prepaid reservations are required for the event and may be made with Donna Queney, 520 Ridge Avenue, State College. Reservations are limited and must be made by November 1.

Persons who are interested in and eligible for membership in the Faculty Women's Club and have not yet paid their dues for the year may do so by contacting Mrs. Richard Lundy, 201 Roman Dr., State College.

SEMINARS

Thursday, Nov. 15 — Physics, 3:55 p.m., Room 117 Osmond. Leo Nedelsky, University of Chicago, on "Physics Taught as a Liberal Art."
Thursday, Nov. 15 — Anthropology, 3 p.m., Room 101 Kern. Dr. Brunetto Corelli, visiting professor of anthropology, The University of Toronto, on "Chromosomes and the Taxonomy of Primates."
Thursday, Nov. 15 — Agronomy, 3:55 p.m., Room 301 AB Agri. Adm. M. R. Heddesford, environmental affairs, College of Agriculture, and R. J. Anderson, Jr., Center for Study of Environmental Policy, on "Environmental Policy at Penn State."
Thursday, Nov. 15 — Statistics, 4 p.m., Room 73 Willard. H. D. Knoblich, Comp. Ctr., on "Multiple Precision Floating Point Arithmetic: Motivation and Applications."
Thursday, Nov. 15 — Meteorology, 3:55 p.m., Room 26 M. S. Or. Barry Smith, Blackwell, Berkshire, England, on "Some Basic Ideas on Ostrifion."
Thursday, Nov. 15 — Chemistry, 12:45 p.m., Room 310 Whitmore. Dr. George Birnbaum, North American Science Center, on "Molecular Interactions and Motions from Spectral Band Shapes."
Thursday, Nov. 15 — Biophysics, 4 p.m., Room 617 Life Sciences. Stanley Person on "The Specificity of Mutations Produced by Ultraviolet Light in *E. coli*."
Monday, Nov. 19 — Entomology, 4 p.m., Room 204 Patterson. Dr. Lloyd Knutson, USDA, Beltsville, Md., on "Biological Control of Shale and Schistosomiasis."

Malay University English head teaching S. E. Asian lit course

"East is East, and West is West," Klingling said, but Dr. Lloyd Fernando is finding ways to combine them.

A Malaysian who studied 19th-century British novelists at the University of Leeds, Or. Fernando is using his training in English literature to help foster the growth of his national culture.

Or. Fernando — the family name was bestowed on his grandfather by Portuguese missionaries — is visiting Penn State as a Fellow of the Institute for the Arts and Humanistic Studies to teach a course in modern Southeast Asian literature during Winter Term.

As head of the English Department at the University of Malaysia, Or. Fernando faced the problem of fitting English literature studies into the culture of his native country.

"English was taught in Malaysia partly for historical reasons — because of our colonial past — but is now taught for pragmatic ones," he explains. "It is a door which opens up to us much of the knowledge which has been developed in the West. But in teaching Malaysian students, I have also tried to show how artistic and cultural issues reflected in English literature can be related to similar issues in our own native traditions — and thus relate my own training to my teaching responsibilities."

"I want to make Asian students aware of literary developments in their own country so they can help develop our national

Reading list reservations needed

Unless faculty members notify the library when they assign required reading lists, necessary materials cannot be placed on reserve.

The result is that students who arrive first are allowed borrowing privileges, thereby denying other members of their class equal access to the information.

Various reserve systems operate simultaneously throughout the University Libraries to insure the availability of materials to large numbers of people in a reasonable period of time.

The Undergraduate Library reserve sys-

SPECIAL EVENTS

Friday, Nov. 16 — Sports: Soccer, vs. Pittsburgh, 7 p.m.
Saturday, Nov. 17 — Sports: Football, vs. Ohio U., 1:30 p.m., Beaver Stadium, Band Day.
Sunday, Nov. 18 — Children's concert presented by Orchestra, 1:30 and 3:30 p.m., White Building Gance Theatre.
Saturday, Nov. 24 — Sports: Football, vs. Pittsburgh, 1:30 p.m., Beaver Stadium.

OFFICIAL

Thursday, Nov. 15 — Last day for signing Emergency Loans for Fall Term.
Saturday, Nov. 17 — Last day for submitting a petition to graduate in absentia in December.
Saturday, Nov. 17 — Fall Term classes end 12:25 p.m.
Monday-Wednesday, Nov. 19-21 — Final examinations.

INTEREST GROUPS

Archery Club, Thursdays, 7 p.m., Room 33 White.
Badminton Club, Fridays, 6:15 p.m., Rec Hall.
Chess Team, Thursdays, 6:30-11 p.m., Room 106 Sackett.
Coed Gymnastics Club, Mondays, 7:30 p.m., Hall South Gym; Thursdays, 7:30 p.m., gymnasiums room, White.
Jazz Club, Thursdays, 8:30-9:30 p.m., Room 167 Willard.
Folklore Society, Thursdays, Nov. 15, 8 p.m., Room 101 Kern.
PSOC Canoe division, Thursday, Nov. 15, 1:30 p.m., Room 214 Boucke.
Color Slide Club, Monday, Nov. 19, 7:30 p.m., Room 112 Kern.

literature."

Although something like 100 million persons in Indonesia and Malaysia speak Malay, the language did not enjoy "pride of place" during colonial times, Or. Fernando notes. Accordingly, in addition to encouraging more writers to write in Malay, he is trying to make their best efforts better known through the magazine, "Teng-gara."

This journal, of which he is co-editor, is published in English and consists of stories, poems, and critical articles, some with parallel Malay texts.

Dr. Fernando's literary interests at present involve research on Conrad and Joyce, but his earlier concerns anticipated woman's lib. In 1963, long before it was fashionable, he studied the woman's emancipation movement in fiction and its effect on the art of such novelists as George Eliot, Hardy, Meredith, and Gissing. "It was this research," he recalls, "that showed me there was a close connection between literature and society. The 19th century in England and America was a period of great intellectual ferment and was the source of many of today's ideas."

In his course, Dr. Fernando plans to introduce modern Asian writers from India, Malaysia and Indonesia.

"I chose modern works because I think they will be more useful to American students," he says, "and increase their immediate understanding of ways of life in different parts of the world."

tems serve both undergraduate and graduate courses in these Colleges: Business Administration; Education; Health, Physical Education and Recreation; Human Development; Liberal Arts; Arts and Architecture (below 400 and 500 level); and Agriculture (below 500 level).

Information about placing materials on reserve may be obtained from the Main Undergraduate Library, W11 West Pattee or by phoning 883-0323. The subject branch libraries and special divisions of Pattee also maintain some reserve materials relating more specifically to their disciplines.



AWARD

Dr. John L. Leathers, director of Altoona Campus, received "The 1973 Distinguished Aviation Citizen Award" of the Aviation Council at Pennsylvania from John Maclellan (right), executive director of the Council, recently. A private commercial pilot, Or. Leathers has been engaged actively for several years in promoting general aviation in the State.

La Vie orders

The editors of La Vie, the yearbook of the University, remind students and others that the deadline for ordering books is approaching and that no orders of any kind will be taken after Wednesday, Oct. 19. Only the number of books that are ordered by that time will be published, and there will therefore be no opportunity to purchase additional copies later.

But there is another important deadline: orders will be taken until Nov. 30 (postmark date) at \$9.00 per book; after that deadline the price becomes \$11.00.

No complimentary books will be provided this year.

To order, send a check or money order with full name and address to La Vie, Room 210 Engineering "Q" University Park, Pa. 16802. The check or money order should be made out for \$9.00 if before Nov. 30, \$11.00 if the order is placed between Nov. 30 and Oct. 19.

Saving energy

President Oswald last week notified appropriate officers and departments of the University that the following steps are to be taken to help conserve fuel this winter. The fuel supply crisis plus the rapidly increasing costs of fuel and electricity make these steps necessary, he said.

1. All building heating systems will be set at a maximum daytime temperature of 66 degrees. Overheating temperatures will be reduced beyond that point wherever possible. This resulting will be carried out by the Office of Physical Plant over the next few weeks at the University Park campus, and at all locations other than University Park will carry out similar reductions in settings.
2. Temperature settings in buildings with infrequent use (i.e., storage buildings) will be set at 50 degrees - 55 degrees.
3. Windows are NOT to be opened to relieve "overheating" situations. If such instances occur at University Park, please call the Office of Physical Plant Service Desk (665-4731) and report the situation for corrective action. At other locations notify the Business Office.
4. Portable electric heaters are prohibited. If you believe you have an unusual cold or draft problem, please call the Office of Physical Plant Service Desk to have the problem checked. At other locations notify the Business Office.
5. It is requested that all operators of University-owned motor vehicles will observe the 50 mph suggested maximum speed limit.

Orchestra concert

"The Store" is the theme of the fourth children's concert to be presented by Orchestra, the University Ounce Club, Sunday, Nov. 18, at 1:30 p.m. and 3:30 p.m. in the White Building Gance Theatre.

The dances in the concert are based on the themes and ideas a grocery store brings to mind. The 13 numbers, choreographed by the members of the group, vary in style and encompass the qualities of ballet, modern, and jazz dancing. The themes include the high pressure "bombarding" atmosphere of a grocery store, being lost in the store, and emphasis on all kinds of food — milk, butter, bubble gum, fruit and spaghetti.

Free tickets for the concert are available in Room 105, White Building, from 8 a.m. to noon and 1 to 5 p.m.

Orchestra is sponsored by the Women's Recreation Association. Patricia S. Heigel, instructor in physical education, is advisor to the group.

Senate studies Governance

At the University Faculty Senate meeting this week, reports and working papers prepared by subcommittees of the Ad Hoc Committee to Study the Implications of Collective Bargaining for Faculty Governance were presented for the information of the Senate.

INTERCOM presents these papers, in one case a summary, in the interest of informing the entire faculty on some thoughts concerning the subject as the subcommittee view it. It should be understood that these working papers and reports do not represent a final consensus of the Committee on the merits of collective bargaining discussed by the subcommittees. A final report for the entire Committee will be prepared for the consideration of the Senate at its December meeting.

Input from the entire faculty concerning the work of the Committee is welcomed. Dr. William D. Taylor, chairman, Room 618 Life Science Bldg., 865-2536, will be happy to receive faculty comments.

SENATE AD HOC COMMITTEE TO STUDY THE IMPLICATIONS OF COLLECTIVE BARGAINING FOR FACULTY GOVERNANCE

Working Papers from the Subcommittee on Governance

The attached second progress report is the result of three months of study of the status of faculty involvement in University governance and the probable impact of collective bargaining. The report is presented in two sections:

1. A background paper which traces the rise of University administration in the Penn State setting and the subsequent redefinition of the role of the faculty and Board of Trustees in University governance.
2. A survey of the climate of opinion on Commonwealth Campuses with regard to the status of joint authority, faculty morale, and attitudes toward collective bargaining.

The Committee's immediate charge was to explore the probable consequences of collective bargaining on University governance; however, our research and study led us to some historical analysis in order to establish a context for assessing the impact of unionization. The first progress report submitted in October dealt with the overall conditions which seem to encourage faculty to consider collective bargaining. (These) papers . . . build on this introduction.

SUBCOMMITTEE ON GOVERNANCE

Roy C. Buck, Chairman; Nicholas Gavrilis; Henry Johnson, Jr.

THE ATTITUDES OF THE COMMONWEALTH CAMPUS FACULTY

By Nicholas Gavrilis

From discussions concerning the implications of collective bargaining on governance with the faculty at the Commonwealth Campuses a general pattern of attitudes emerges.

First there is uneasiness, partly from the newness of the prospect of collective bargaining and partly from the faculty's personal experience, and partly from the openness of collective bargaining contracts. What is negotiable and what is not depends in large measure upon the bargainers. Secondly, there is a general reluctance to embrace the concept of collective bargaining as appropriate for the atmosphere and goals of academic institutions. It is not only their self-image as professionals which prompts this reluctance, but more importantly, they sense the real possibility of constraint and uniformity that may result from unionization. But, nevertheless, even though the faculty would not choose collective bargaining as desirable in itself, they see unionization as inevitable and simply a matter of time.

The reasons that are given as an explanation for this undesirable inevitability are based upon the conviction that the grievances that the faculty may have can be eliminated only by the power that collective bargaining gives the faculty in dealing with administrators. Let us emphasize that, although the faculty believe that adversary relationships are undesirable in an intellectual atmosphere, they also believe they are the only ones that seem to guarantee respect. The unfortunate implication is obvious. Administrators will yield power only when confronted by opposing power, that the merits of a case are not enough to guarantee equity. This is a very serious accusation, yet articulated strongly quite often.

For whatever reasons, the faculty believe that important decisions affecting the University have slipped out of their hands into the hands of professional administrators who are somehow out of tune with both the main task of the University, teaching and research, and the ideals which determine policy and development.

With respect to general policy, administrators

tend to be responsive to the external forces playing upon the University than to lead, with faculty support and direction, a dialogue in opposition to those external forces. Therefore, administrators do not look upon the judgment of the faculty, those whose work is indeed the fulfillment of the main task of the University, as decisive, but merely advisory.

Thus, summarizing the faculty attitudes toward governance, we find the essential grievance to be that, although decisions affecting the fate of the faculty made by administrators are binding, those made by the faculty are not. Collective bargaining can create an apparatus for making faculty decisions binding.

The concept of "joint authority" is considered by most to be a myth. Even in situations where faculty members themselves might be involved in the exercise of joint authority, they interpret their contributions and decisions as advisory only. This experience is probably true more for the newer faculty at the lower ranks than for the more established members at the higher ranks, but as a general pattern, the experience is universal. Even those whose counsel is sought and sought often still see themselves in the role of advisors and not determiners of policy. The University Faculty Senate as an instrument of joint authority is regarded as ineffective, since it is not truly legislative in character, except in the case of curriculum decisions. The fact that the Senate can be dissolved and reconstituted by the administration also indicates that the faculty through the Senate cannot counterbalance the authority of administrators. Authority is not jointly held if it exists in one group at the sufferance of the other.

We have tried to present as clearly as we can the attitudes of Commonwealth Campus faculty together with an analysis of the reasons for these attitudes. We make no claim to an exhaustive study. Also, not all points of view have been presented, only those we felt were the prevailing ones. Further, there is no attempt to justify the belief that collective bargaining will indeed bring about the anticipated power over administrators that the faculty may desire, nor that another alternative might not be more advantageous to both faculty and administrators. We are simply reporting what the faculty seem to want and how they think they can get it and why.

(Note: the following is a summary of a longer report prepared by Dr. Henry Johnson, Jr., associate professor of education; it constitutes about one-fourth of the total report)

THE RISE OF UNIVERSITY LEGISLATIVE ADMINISTRATION

The pattern in the development of the governance of the Pennsylvania State University is relatively clear. Beginning from a fairly straight forward arrangement essentially comprised of two elements, a Board of Trustees and a Principal/President-and-Trustees, the University has responded to the pressures which shaped higher education elsewhere, shared in the general thought which magnified the role of the Trustees and the relative passivity of the professorate. Although the faculty was originally charged with the institution's practical management and was at least an equal partner in determining its strategy, the growing complexity and onerousness of that task saw the faculty, and even the Trustees, surrender their functions to a new model, commercial manager-President, who came virtually to embody the whole institution.

As the University burgeoned, no one man, of however heroic proportions, could realize such a function and the role of the "Strong Man" (as Veblen called him) gradually expanded to the point where it required an extensive apparatus. It became in effect a third element, uniting a smaller number of Trustees and an ap-

pointed "faculty leadership" in a presidency which came to be called "The Administration" — a term both lacking in and essentially foreign to the original conception of the University.

This artificial separation of a new corporate entity which made and enforced "policy," subject to review by the Board but not by the faculty, led to a curious anomaly. Rather than freeing the faculty (the constant rhetorical grounds for its being added in the first place), it made them essentially powerless, particularly as they were separated from the crucial bargaining knowledge and authority which both the Board (and the "public," no doubt, in the sense of the interests which really determined university strategy) regarded as true ownership and thus real power. (The notion that power should be construed as ownership rather than competence to perform the University's function was itself an important development, of course.)

Then, with a peculiar institutional legende, the Presidency expanded in scope and concentrated its authority even more in its own hands, on the grounds that it possessed a unique policy-making authority when in fact, if that role had remained in the general faculty, subject to the scrutiny but not the practical dominance of the Trustees, no such vast apparatus would have been necessary in the first place. What might have developed instead might have been an executive staff charged not with creating authority and policy but effecting it — a function which would have undoubtedly been considerably less costly.

As a final chapter, popular disaffection and distrust, stemming from events in the control of neither trustees nor faculties, led toward the open rejection of the principle of real authority to an administrative middle man, the whole covered by an enormous increase in the rhetoric of freedom and participation. When combined with a faculty less and less concerned to accept responsibility or pursue its corporate (as opposed to individual) interests, this expansion and concentration inevitably produced a situation of extreme disability and dissatisfaction among faculty members.

Our purpose in sketching out this pattern of development, as we suggested in the beginning, is neither to praise nor to blame. Still less do we point to any particular individual or group to blame for this miscalculation. Whatever has occurred has usually enjoyed, if not the formal approval, at least the acquiescence of the other parties. Our purpose is to provide an understanding of these developments and the impasse to which they have brought us. But it is also to point out that none of the present postures, policies, and procedures are either fixed by law or made inevitable by some sort of "reality" any alternative to which is implausible, naive, or unrealistic. They have been the result of choices and decisions, all of which not only can but should be constantly reviewed and changed in the light of current practical wisdom.

One thing stands out: most of the concepts and procedures which establish the governance of this University have been the product of individual elements, usually in their own interests. Save for a brief and notably ambiguous "Charter," few decisions and definitions which have elaborated that "Charter" have been the result of truly collegial, let alone broadly communal, judgment (irrespective of the color given them by an advisory rhetoric).

The intervening years have seen both the Trustees and the University Administration formulate their own identity and function more and more clearly as their interests have declined. The faculty has generally decided to do so, or allowed others to do so for it, so that now it can be argued that the student body, though inherently more diffuse and various, has more real effect upon University policy than the faculty, particularly when the student body is viewed as extended in the "alumni."

Two alternatives, at least, seem obvious. The first would be that the University as a whole re-examine its policies and procedures, give equal voices for all its interests, and produce what it has never had, a genuine constitution and a functional legislative and executive elaboration of it which would represent the best thought and the most profound possible commitment of all parties to the common good, a good ultimately undefinable apart from the good of the Commonwealth and the nation itself.

That alternative failing, the faculty would appear to have to choose between continuing its essentially passive role or organizing in its own interests and in terms of its own definitions — i.e., the same course of action which has been followed by the Trustees and the growing administrative presidency.

The trend toward collective organization and bargaining represents one possible mode for accomplishing the latter, an option now protected by law. Whether that mode of purportedly redressing the balance of authority could accomplish more than the amelioration of particular injustices, or would even intend to modify the community as a whole rather than supply faculty interests alone (and thus only address a given balance of power without altering the fundamental relations which appear to have produced the obvious imbalance), is a mixed question. Partly it is a question of fact: What powers or influence could such an organization grasp, given the law, and as evidenced by performance elsewhere? Partly it is a question of intent: What response would it seek in its most other alternatives? To what extent does the faculty wish to accept a more adequate conception of itself and its powers and devote its energies to the administering and supervising of them for itself rather than surrendering these tasks either to an administration whose purposes and accomplishments appear less than satisfactory or to a new embodiment of itself in the "professional" executive of its own organization? (It should, however, be emphasized that the latter would be its own choice, and constitute action subject to its own review and election, as well as to its most other alternatives.) It is a question which make the forthcoming choice all the more fraught with the utmost significance, perhaps the first real choice the faculty has had in the institution's long history.

A Concluding Unsettling Post-Script

It is essential for the faculty to note one further fact, the exact meaning and potential direction of which is admittedly in doubt.

Recent years have witnessed a tendency for more and more University policy and strategy to be fashioned neither in the councils of the Trustees nor in the Administration but in Harrisburg itself. Although the Trustees and the Administration have taken it as their task to deal with the University's public and the government of the Commonwealth, the Legislature has come to exercise more and more control on the direct operation of the University.

The continuing refusal to make budgetary decisions, and the clear meaning of its rhetoric and its acts (as, for example in the Snyder Amendment) suggests strongly that the Legislature intends a still more immediate voice in the operation of the University, down to the very classroom level. In addition, through its own creation of an expanded Secretary and Board of Education (as, for example, in the case of Public Law 224, which permits it to decide if it will encourage wide policy and supervisory powers attached to budget review) the Legislature appears unwilling to remain any longer a silent partner in an essentially autonomous academic enterprise. It seems intent, instead, upon the conscious creation of a new instrument of particular social policies and interests — a decision of monumental importance and novelty if only for its new plainness, and one with obvious but still unclear implications for the future.

In a situation of this scope and potential, determining what sort of faculty or university organization and governance could result in genuine "countervailing power" (to borrow Professor Galbraith's important and apposite concept) may require a wisdom and knowledge to which past experience can contribute only in the most general sense. Clearly, a wise "power base" than can be constructed of the campus seems essential if decisions making has moved away from it. And the least likely time to attempt this is before the faculty is so heavily participated in.

What the events of recent years seem to suggest is that the traditional approach and proposals of all the parties internal to the academic enterprise will require thorough and mutual revision before any and all conceptions of internal management of genuine self-governance — indeed the traditional idea of a university itself — become nothing more than idle rhetoric.

PENN STATE intercom

Volume 3, Number 12

November 22, 1973

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

News in Brief

GRADUATION DEC. 1

About 1,500 undergraduates and graduate students will receive degrees at Fall Term Commencement Saturday, Dec. 1. The ceremony will be held in Rec Hall at 10:30 a.m. It is suggested that persons on the campus not a part of the commencement proceedings park in areas away from Rec Hall so that those attending from out of town may find space near the building. President Oswald will present the degrees, assisted by H. R. Riley, member of the Board of Trustees and retired secretary of the Alumni Association. Fifteen of the seniors graduating will be given reserve commissions in the Army, Navy, Air Force or Marine Corps.

PARKING REGULATIONS

The winter schedule of nighttime parking restrictions on the University Park campus went into effect Nov. 15.

All parking areas designated as snow removal areas will have signs: "No Parking, 2:30 a.m. to 6:00 a.m." The restriction applies whether there is snow on the ground or not.

The snow removal areas are the following:

Red A, B, E, F, and H.
Green B, D, E, F, G, H, K, L, and M.
Yellow A, B, D, E, F, G, H, K, and L.
Brown A, C, D, E, F, G, and H.
Blue A, B, D, F, G, H, J, and K.

Orange A, B, D, E, G, H, and L.
In accordance with the current faculty-staff parking rules and regulations, vehicles must be removed by 7 a.m. from the parking areas not listed above unless the car is assigned to the area, when the car has been parked overnight in the area.

ART SALE

Paintings, sculpture, prints, photos, drawings and ceramics by undergraduate art majors and graduate students will be sold during the First Annual Christmas Student Exhibition and Sale at the Zoller Gallery (at the Arts complex on north campus) Dec. 6, 7, and 8. Modest prices will be in order for the sale. The Gallery will be open Saturday, Dec. 8, contrary to general practice, between 8 a.m. and 5 p.m., just for the sale.

BUILDING NAMES

The Board of Trustees revised the policy on the naming of campus buildings at its recent meeting. Buildings used for general purposes at any of the campuses may be named for persons who have contributed to the institution as a whole or who have made a definite contribution to education in Pennsylvania or the Nation, or names may be chosen in honor of historical events, places, or persons indigenous to the specific campus or area. Other changes were made in the policy also.

TOWER BUILDING

The new ten-story building just east of Burrows Building has received the official name of "Liberal Arts Tower Building," by action of the Board of Trustees. Currently the departments of history, labor studies, religious studies and sociology are housed in the \$1.7 million building.

CHRISTMAS CARD FILE

Possibly helpful to Christmas card buyers is a file at the Arts Library on the Fourth Floor of East Palatka where 1973 Museum card and gift catalogs are available for inspection. Catalogs of the Phila-

delphia Museum, the Museum of Modern Art, the Pierpont Morgan Library and others are included in the file.

STUDENT FILM FESTIVAL

Student film makers from Pennsylvania, Maryland, West Virginia, New Jersey, New York, Ohio and Washington, D.C. will display their products in a "Festival" at University Park February 8-10 in Schwab Auditorium.

A jury of three professional judges will select the best films for prizes totalling \$2,050, with two \$500 awards and six other prizes in specific categories. The Graduate Student Association is sponsoring the festival, which is open to all students currently enrolled in a college or university within the region.

INTERNATIONAL EVENT

A Christmas-New Year's program with international flavor will be staged Tuesday, Dec. 11, in the HUB ballroom, from 8 p.m. to midnight. Graduate students working

(Continued on page two)

Neighbors say you can hear them mile away

Bagpipes and drums join the cultural scene

If a dedicated band of professors and students have their way, the Nittany Lion may soon be sporting a Scottish tam-o'-shanter.

It's the appropriate headgear for him to wear while watching the newest musical group to spring up on campus, a "combo" of bagpipers and drummers calling themselves "the Nittany Highlanders."

Attired in tartan kilts, the 10-member band has begun a series of public appearances, attracting crowds at the Hort Show, piping smartly at the 28th Division Shrine near Boalsburg on Sundays, and performing for visitors to a local antiques fair.

The founder of the group is an associate professor of astronomy, Dr. Peter D. Usher, who learned to play the pipes at the age of 15 in his native South Africa.

"Actually, there's a whole bagpipe subculture in the United States," he maintains. "The country has a great many pipe bands, particularly in North Carolina and the Northeast where large numbers of Scots settled. Go to a parade, and it's surprising how often you see one."

Joining Dr. Usher as the nucleus of the group were Dr. Peter B. Shaw, associate professor of physics, and Dr. Alistair B. Fraser, associate professor of meteorology. Dr. Fraser perfected his piping skills when he was growing up in British Columbia. Dr. Shaw is a newcomer to the piping ranks. He decided to learn after hearing Dr. Usher perform one night at a party and has found it even more of a challenge than the black belt he previously earned in karate.

"Fortunately, I live out in the country, so my practicing doesn't bother anyone," Dr. Shaw says, "although some neighbors have mentioned hearing me from as far as a mile away!"

"The bagpipe is an outdoor instrument," Dr. Usher notes. "It originated with the shepherds of the Middle East, and there's evidence that the Roman legions marched to the sound of bagpipes and Nero himself was a piper, not a fiddler."

Numerous types of pipes existed in Europe in the 13th century, and nowadays the Irish, Spanish, French, and Rumanians all have their own forms of bagpipe. In the Highlands of Scotland, the pipes were

President thanks Legislature and Governor

Approve appropriation of \$87,159,000

President Oswald last week expressed his thanks to members of the General Assembly and Gov. Milton J. Shapp for passage and signature into law of the University's \$87,159,000 appropriation bill for 1973-74.

The bill represents a 51 percent increase over the \$82,694,000 appropriated in 1972-73. It provides for monthly rather than quarterly reimbursement, together with a five percent flexibility factor among line items.

"Although the bill falls somewhat below the University's request," he said, "extensive pruning at the beginning of the fiscal year, together with adjustments we are making now based on the amount of the funding, will allow most of our programs to proceed, even though we face sharply increased costs in many areas."

"We are indebted to many individuals

who worked in behalf of our appropriation," President Oswald continued. "They include Rep. Galen Dreibleis and Sen. Joseph Ammerman, in whose legislative districts University Park lies; the leadership of both parties; and the members of the conference committee who worked out the final details of the bill."

By line item, the appropriation includes \$58,372,000 for net cost of instruction, excluding doctor of medicine, and \$1,760,000 for student aid; \$8,913,000 for net cost of extension and public services; \$15,800,000 for net cost of research; and \$2,314,000 for instruction — doctor of medicine only.

The president pointed out that the \$58,372,000 line item for net cost of instruction in effect provides an annual scholarship of approximately \$1200 for each of Penn State's in-state students. Out-of-state students pay the full cost of their education.

from the expertise of Thomas Hinchey, former Pipe Major of the Balmoral Highlanders of Syracuse, who lives nearby in Mill Hill. Two drummers have also been recruited, Lesley Strother and David Hudson, both Penn State students, and Dr. William H. Patton, assistant professor of veterinary science, is practicing on a chanter prior to performing with the Band.

The proverbial one-armed paperhanger has nothing on a piper.

The Scottish version of the instrument has five pipes made up of three drones, a blowpipe, and a chanter from which nine distinct tones can be produced. The drones and chanter are sounded by reeds to which wind is fed by air pressure on a skin bag. The piper inflates the bag by breathing into the blowpipe with a non-return valve.

"It takes good coordination to keep a steady pressure in the bag while you are breathing, marching, and playing at a steady tempo," Dr. Usher points out.



FIVE PIPERS PIPING and two drummers drumming are, left to right, Peter Usher, Alistair Fraser, Lesley Strother, David Hudson, Douglas Gump, Daniel Sloan, and Peter Shaw. The group is now part of a significant bagpiping "subculture" that is growing constantly in this country.

PENN STATE intercom

Volume 3, Number 13

November 29, 1973

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

For an Experimental Academic Program Center

Academic development group named

An Academic Development Committee for an Experimental Academic Program Center has been formed by Dr. Robert E. Dunham, vice president for undergraduate studies.

Dr. Paul D. Holtzman, professor of speech, has been named chairman of the committee, which will examine the academic dimensions of an Experimental Academic Program Center.

The concept of such a Center has been discussed for some months, and the Committee, if it endorses propositions which have already been put forth, will develop a general academic plan and guidelines for the programming of a residential academic program center.

Dr. Dunham says the Committee will address itself to questions concerning academic program objectives, content, evalua-

tions, interdependencies with other programs, and interactions within a residential environment, as well as more operations questions concerning the selection of program, recruitment of faculty and students, and general logistical arrangements.

In addition to Dr. Holtzman, the Committee includes Dr. Bruce Bullington, assistant professor of law enforcement and corrections; Dr. Robert Gray, head of the department of art; Dr. Steve Goldman, assistant professor of philosophy; Donald Grenaldo, junior majoring in elementary and kindergarten education; Ronald Matlock, sophomore in Liberal Arts; Edward I. Pitts, graduate assistant in philosophy in the office of the Vice President for Undergraduate Studies; and Dr. John R. Whitney, associate professor of religious studies.

Tree thieves problem for research

The most serious problem encountered by researchers in the School of Forestry and allied scientists interested in improving tree yields is the tree pilferer.

It's a problem all year 'round, but it's especially troublesome as Christmas approaches in the stands of evergreen trees both at the University Park campus and at nearby Stone Valley Experimental Forest.

In spite of signs posted at the tree reservations where costly and important research studies are underway, thoughtless persons and vandals have in past years destroyed trees that have a special significance in research work, point out Dr. Henry D. Gerhold and Edgar H. Palpan, of the Forest Resources Laboratory.

"The seriousness of the matter," says Dr. Gerhold, "is magnified a thousand times by the fact that often the best tree in a particular stand, the one we wish to study most carefully, is the tree that is stolen."

"That tree may be worth thousands of dollars in terms of man-hours of labor, and it will take years to come back to that point in our work because tree growth is a slow process."

Tree plantations are kept open as much as possible for the public to enjoy, the

scientists point out, but the privilege doesn't extend to removing trees or marking growing trees thereby damaging them.

In an effort to reduce these losses caused by cutting of trees for Christmas decorations, a stepped-up program of patrolling by law enforcement officers has been initiated. Anyone found removing trees illegally will be prosecuted.

Sixth bibliography conference meeting here

The Pennsylvania State University Conference on Bibliography, established in 1960, will convene for its sixth biennial meeting at University Park November 29-December 1.

Two series of papers will be presented by visiting scholars and by Penn State faculty members. The first series concerns "Problems in American Fiction" and the second, "Problems in General and Comparative Literature."

Philip Young, Research Professor of American Literature, will give the keynote lecture on Thursday evening, November 29, at 8:15 p.m. in the Keller Conference Center, on "Hemingway's Manuscripts: The

News in Brief

ART SALE

Graduate and undergraduate art majors will participate in the First Annual Christmas Exhibition and Sale on Dec. 6, 7 and 8, in Zoller Gallery, Visual Arts Bldg.

Art objects in a wide range of media will be shown and offered for sale, including work by students enrolled in the five Art Department options of ceramics, painting, printmaking, graphic design, and sculpture, and in photography courses offered by the department. Advance jurying of the work is planned to insure a uniformly high quality throughout the show.

A price range for sale pieces has been set, with a limit of \$75.00 on paintings and sculpture, \$25.00 on prints, and \$15.00 on drawings and photographs. Ceramic pieces will vary in price with the nature of the work.

All sales will be on a first-come, first-served basis. Gallery hours of 8 a.m. to 5 p.m. will be in effect for the three-day exhibition.

MLA TRIP

Faculty, graduate students, and members of their families interested in traveling to Chicago by chartered bus to attend the post-Christmas meetings of the Modern Language Association may sign up in the Liberal Arts Research Office, 116 Sparks.

Present plans are for the bus to leave

Wednesday morning, Dec. 26, from the parking lot behind Sparks and return Saturday, Dec. 29. Exact departure times would be fixed according to majority wish.

Assuming a full bus, round trip fare is estimated at about \$30. This compares to \$59.20 for bus fare on the scheduled routes; \$60 train fare from Lewistown; \$64 by air (not including limousines). The chartered bus trip would take nine to ten hours, and passengers would be delivered to the convention hotels.

Single-way reservations are possible for the trip, but preference will be given to round-trip reservations.

PKB PARTY

Phi Beta Kappa members in the community are cordially invited by the local chapter to the merry sherry party at the Nittany Lion Inn's fireside room on Sunday, December 9, three to five o'clock, to celebrate Phi Beta Kappa Founder's Day.

PHOTO SHOW

The exhibit of the photography of Horace Engle, which was prepared by Edward Leos, associate professor of journalism, and displayed at the William Penn Memorial Museum in Harrisburg, will be on display in the Kern Graduate Building until Dec. 20.

Leos reprinted the photos that were taken a century ago, many of them with a "but-tonhole" camera. Engle was a lifelong amateur photographer, but these photos

(Continued on page two)

Vault Reconsidered.

Also presenting papers in this series will be Joseph Katz (University of South Carolina) on "Bibliography and the Rise of American Literary Realism"; G. Thomas Tanselle (University of Wisconsin, Madison) on "Bibliographical Problems in Modern Melville"; Roger Stein (S.U.N.Y., Binghamton) on "American Fiction in the 18th Century"; and Burton Polin (Bronx Community College, C.U.N.Y.) on "Contemporary Reviews of Edgar Allan Poe's Works." Lewis Leary, Research Professor of American Literature at the University of North Carolina, will conclude the series on Saturday morning, December 1, at 10:45 a.m.,

speaking on "Troubles with Mark Twain."

Richard Schoeck, Director of Research Programs at the Folger Shakespeare Library, will keynote the series on General and Comparative Literature with his address, "A Proposed Dictionary of Tudor and Stuart Biography"; David L. Anderson (Penn State) will speak on "Bayle's Dictionary: An Approach to Scholarship and Art"; and J. Max Patrick (University of Wisconsin, Milwaukee) will conclude the series with his paper on "Milton's Penultimate Poem: Samson Agonistes."

Further information may be obtained from Dr. Harrison T. Meserole, chairman of the conference, 117 Burrows Building.

Art museum store has variety

Guatemalan dolls, Ethiopian icons, Greek and Egyptian statues, African loom pulleys, Thai antique Buddhas, and Roman theatre masks are among the art objects brought together from around the world by the Museum Store in the Museum of Art at the University.

Intended as an educational adjunct to the Museum to provide the availability of a wide range of representative art, the store features a large selection of books on art, design, artists, and crafts, many in inexpensive soft-cover editions. In recognition of the store's responsibility to University students, care is taken to offer low-cost items of the best possible quality.

Museum visitors are often surprised at the variety of wares in the little store tucked in a corner of the entrance lobby, just outside Gallery A on the first floor.

One art buff was pleased to find camel hair Ethiopian rug switches to complement the rugs she had brought from that African country. Another found a small Greek statue, commenting that it was similar to

one he had bought several years ago in the Louvre, Paris.

A young woman student marvelled to Mrs. Aviva Gorlow, store buyer and manager, that among the jewelry and ceramics she discovered a "retablo" or painted wood box peopled with figures, which she was certain was identical to those made by natives in a tiny Latin American town where she had studied during a recent term.

Students find the novel and fun aspects of some of the items displayed for purchase. Imaginative minds and nimble fingers have created lovely original jewelry from the intricately hand-blown glass African trade beads sold at the store.

Added to the assortment of folk art and art books are museum calendars, Christmas, greeting, and note cards, and reproductions of objects in famous museum collections.

The Metropolitan Museum of Art and the Museum of Modern Art in New York

(Continued on page two)



Variety is the keynote of wares sold by the Museum of Art store where books and works of art from all over the world are sold, many of which would make excellent Christmas gifts. Aviva Gorlow, store buyer and manager, points out that on hand, too, are greeting and note cards, calendars, and reproductions of famous art works, as well as objects made by students and staff.

Kochel, Behrend celebrate 25 years Calendar



Irvin H. Kochel, center, director of the Behrend Campus, receives the University's 25-Year Service Award certificate from President Oswald. An Advisory Board chairman Chester Reichert looks on.

A quarter century of progress by Behrend College and a quarter century of service by its director, Irvin H. Kochel, are being celebrated this year.

Kochel was honored recently at a surprise luncheon at the Erie Club given by the Behrend Advisory Board to mark the occasion of his 25 years service to the University. Nineteen of those years have been spent as director at Behrend.

On hand for the event were President Dr. John W. Oswald and Mrs. Oswald, T. Reed Ferguson, first administrative head of Behrend (1948-54) and presently vice president for Public Affairs; Kenneth L. Holderman, vice president for Commonwealth Campuses. Members of the Advisory Board, Campus administration, and faculty attended.

Presiding at the ceremony was Chester K. Reichert Jr., Advisory Board president. He had high praise for Kochel and said, "This is indeed an honor for him. Under his leadership Behrend has gained full college status, the first branch of Penn State to attain such rank."

Dr. Oswald presented Kochel with a certificate and a Penn State Chair, awarded for his 25 years service to the University. On behalf of the board, a silver gift was presented by Guy W. Wilson, past board president.

Kochel was named Behrend director in June 1954. Prior to that he held administrative positions at the Penn State Schuylkill Campus in Pottsville and the Harrisburg Campus.

A native of Boyertown, he holds a B.S. and Master's degree from Penn State.

He taught and coached in the public schools of Pennsylvania and holds the rank of associate professor with the university.

ART STORE —

(Continued from page one)
City and Philadelphia's Museum of Art are two of the sources tapped to produce the diversity of offerings found on the little store's shelves.

Art posters and reproductions of paintings are exhibited for sale along with a collection of original works by University artists and craftsmen.

Museum Store hours coincide with the scheduled hours of the Museum of Art, from noon to five p.m. every day but Mondays, when the Museum and store are closed. Browning, the Museum staff adds, is encouraged.

NEWS —

(Continued from page one)
are from 1888-1889, when he used the special camera that had circular glass plates.

The exhibit will go "on the road" after the Kern exhibit, visiting a dozen colleges in Pennsylvania, West Virginia, and Washington, D.C., under the sponsorship of the Art Alliance of Central Pennsylvania, the Association of College Unions International, and the Institute for the Arts and Humanistic Studies, which provided two grants to Leos to carry on the research of the Engle work.

SCENIC DESIGN SHOW

A show of scenic designs by students

Nov. 29-Dec. 9, 1973

SPECIAL EVENTS

Saturday, Dec. 1 — Sports: Men's Gymnastics, vs. Cornell, 8 p.m., Rec Hall. Men's Swimming, Penn State Relays, 8:00 a.m. Men's Fencing, vs. Maryland, 2 p.m., Rec Hall.

Monday, Dec. 3 — Intramural Student Orientation, 4 p.m., Room 115 Kern.

Wednesday, Dec. 5 — ARHS Orientation Jambly, 7:00-9:00 p.m., HUB ballroom.

Thursday-Saturday, Dec. 6-8 — Artists Series, The Swashbucker, Douglas Fairbanks, Sr. films, "The Mark of Zorro," "The Thief of Bagdad," "The Black Pirate," 8:30 p.m., Schwab.

Thursday-Saturday, Dec. 6 — Panholer sorority rushing registration, 10 a.m.-2 p.m., HUB ballroom.

Friday-Saturday, Dec. 7-8 — Free U registration, Friday, 9:30-4 a.m., Saturday, 9:30-4 a.m., HUB ballroom.

Friday, Dec. 7 — Pottery demonstration, 12 noon, Kern lobby.

Friday, Dec. 7 — Graduate Student Association Orientation Social, 8 p.m., Room 103 Kern.

Friday-Saturday, Dec. 7-8 — Sports: Men's Wrestling, Penn State Invitational Tournament, Rec Hall.

In the Department of Theatre Arts will open in the Playhouse Gallery, Arts Bldg., on Monday, Dec. 3, continuing through Dec. 15. Gallery hours are 8 a.m. to 5 p.m. The best designs produced by students in Theatre Arts 150, 180, 350, and 450, represented in sketches and scale models, will be shown. These stage and lighting design courses are taught by Theatre Arts faculty members Anne Gibson, Douglas Maddox, and Robert Barnes.

TELEPHONE CHANGES

Members of the Civil Engineering Department staff and faculty have received new telephone numbers; however, the department office retains the number 865-8391.

Students selling Christmas trees

The Penn State Forestry Society and Xi Sigma Phi, forestry honorary, are cooperating in providing fresh-cut Christmas trees for the University Park Campus.

All trees are priced at \$1.25 per foot and will be delivered to offices on campus between Dec. 10 and Dec. 14. Available will be Scotch pine, white pine, red pine, Austrian pine, Norway spruce, Blue Spruce, Douglas fir and White fir.

Orders can be placed between Nov. 26 and Dec. 7 by calling Carolyn Smith, at 865-4237, during normal working hours, specifying the size and type of tree and the date and the location of delivery. Payment may be made by an interdepartmental transfer (804-14) or by cash or check, payable to the Penn State Forestry Society, on delivery of the tree.

For safety reasons, University officials suggest that artificial greens and trees be used on campus, but if natural materials are used, certain precautions should be taken to insure the safety of persons and property.

If plastic artificial trees are used, it should be determined that they are of noncombustible materials. If aluminum trees are obtained, no electric lights should be used on the trees themselves.

Due to the energy crisis, departments are requested to refrain from using electrically illuminated decorations.

Staff vacancies

To make application for the vacancies listed below call 865-1387 (Nitelux 475-1387) no later than:

5 P.M., THURSDAY, DECEMBER 13, 1973

RESEARCH AIDE

COLLEGE OF AGRICULTURE
University Park
Responsible for assisting in research concerning the effect of pollution on plants by conducting and preparing experiments and for compiling and reporting research results. A bachelor's degree, or equivalent, in a biological or agricultural science with courses in microscopic and biochemical techniques and over one year of related experience.

UTILIZATION REVIEW COORDINATOR

Responsible to the Manager of Medical Records for the planning, organizing, and development of a Utilization Review and Medical Audit Program and to insure compliance with federal, state, and local regulations. A registered nurse with hospital experience plus two to three years of experience in Utilization Review and/or Medical Audit Programs.

UTILIZATION REVIEW NURSE

Hersey Medical Center
Responsible to the Utilization Review Coordinator for the implementation of an effective Utilization Review and Medical Audit Program insuring compliance with existing procedures and policies. Registered nurse with one to two years experience preferably in a Utilization Review or Medical Audit Program.

INHALATION THERAPY TECHNICIAN II

Hersey Medical Center
Responsible to the Chief Inhalation Therapist for various Inhalation Therapy functions and the setting-up and adjusting of various types of oxygen inhalation therapy and ventilation equipment. A high school education plus two to three years effective experience and satisfactory completion of Technicians Certification Test.

PSYCHIATRIC ASSISTANT

Hersey Medical Center
Responsible to the Chief of the Psychiatric Inpatient Unit. Responsibility is delegated on a day by day basis to the Psychiatric Nurse Supervisors and to the nurse team leader on the Psychiatric Inpatient assigned staff. Assist the nursing staff in the management of psychiatric inpatients. An Associate degree or equivalent to two years of college, preferably in a related medical field or in Psychology or equivalent professional experience.

THE UNIVERSITY IS AN EQUAL OPPORTUNITY EMPLOYER

Applications for staff vacancies are considered without regard to race, color, creed, sex, or national origin.

Funding Opportunities

For more information, call 865-1387 except where noted below, and request an interdepartmental transfer and the general information provided. People with grants information for dissemination in this column should call the same number.

November 29, 1973

(107-1) The National Endowment for the Arts Visual Arts Program contains several programs

... Craftsman fellowships or \$3000 — deadline Oct. 15, 1973 ... Video Artists fellowships of \$5000 — deadline Feb. 1, 1974 ... Photographers fellowships of \$2000 — deadline May 30, 1974 ...

... In Residence institutional grants of \$1500 for artists, critics, photographers, and craftsmen — deadline 6 months prior to departure ... Works of art in public places displays — (1) up to \$50,000 for commissioned work — deadline 6 months before start; (2) up to \$20,000 for purchase work — deadline Jan. 1, 1974; (3) up to \$10,000 for pilot projects — deadline Jan. 1, 1974 ... Photography exhibits of contemporary or historical importance — deadline Jan. 15, 1974. Additional information is available.

(107-2) The National Science Foundation Intergovernmental Science Program supports research aimed at the development of new and improved institutions and activities useful in the application of science and technology to state, regional and local governmental problems. Among the program objectives are: advancement of the

understanding of public issues having scientific and technological content; demonstration of new science and technology planning and decision making processes; stimulation of experimentation with science and technology systems; encouraging the adoption of new systems; and improvement of communications between persons and groups. Proposal deadlines are six months prior to expected start date. Additional information is available.

(107-3) The St. Andrew's Society of the State of New York (Attn. G. L. Barclay, Chairman, Scholarship Committee, 302 Londonderry Road, Londonderry, N.Y. 12111) invites applications for a \$3750 graduate scholarship to attend any Scottish university. Applicant must be of Scottish descent. The application deadline is February 1, 1974.

(107-4) American Institute of Pakistan Studies (144 Tolentine Hall, Villanova University, Villanova, Pa. 19085) offers pre-doctoral and post-doctoral fellowships and grants for research and study in Pakistan in the social sciences and humanities. Graduate students applying must be Ph.D. candidates. The application deadline is February 15, 1974. A vita, an outline of studies proposed, a budget, three letters of recommendation and complete transcripts are required. For further information, write to the address given above or to Assistant Professor Robert LaPorte, 211 Burrows Building.

(107-5) The City of New York (Urban Fellowship Program, A. E. Roach II, Director, Office of the Mayor, 290 Broadway, New York, N.Y. 10007)



On the Artists Series, Douglas Fairbanks, Sr. stars above in a scene from the film "The Mark of Zorro." Below, in a scene from the film "The Black Pirate," is featured Oscar. 6-8, in a three-film series at Schwab Auditorium.

Friday, Dec. 7 — Sports: Men's Swimming, vs. Colgate, 3:30 p.m.

Saturday, Dec. 8 — Sports: Men's Fencing, Collegiate Open, 8 a.m.

Saturday, Dec. 8 — Bahai Club, soccer event, 7-10 p.m., HUB ballroom.

Sunday, Dec. 9 — Young Socialists Jan. meeting, 7:00-9:00 p.m., HUB ballroom.

Sunday, Dec. 9 — Cathryn F. Ulema, vocal recital, 3:30 p.m., Music Bldg. recital hall.

Sunday, Dec. 9 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

Sunday, Dec. 9 — Chapel Service, 11 a.m., Eisenhower Chapel. Dr. John E. White, philosophy, Millersville State College.

FILMS

Thursday-Sunday, Dec. 6-9 — Centre Hall films, "Anne of a Thousand Days," 7:30 and 10 p.m., Room 102 Forum.

Thursday-Sunday, Dec. 6-9 — Arnold A. Society films, "The Wild Bunch," Room 105 Forum.

Friday-Sunday, Dec. 7-9 — North Hall films, "Brian's Song," 7:30 and 9:30 p.m., Room 111 Forum.

OFFICIAL

Saturday, Dec. 1 — Commencement, 10:30 a.m., Rec Hall.

Sunday, Dec. 2 — Arrival of new students, Monday-Wednesday, Dec. 2-5 — Orientation and advising.

Tuesday-Wednesday, Dec. 4-5 — Registration.

Thursday, Dec. 6 — Classes begin, 8 a.m.

Thursday-Friday, Dec. 6-7 — Drop/add, subs, HUB.

LECTURES

Thursday, Dec. 6 — Graduate Student Association Lecture Series, 8 p.m., Room 112 Kern.

MEETINGS

Wednesday, Dec. 5 — A.W.S., 7-9:30 p.m., Room 203 HUB.

EXHIBITS

Museum of Art — Gallery A, Charles Burchfield, Drawings, Gallery C, Sculptures from the Permanent Collection.

Arts Bldg., Playhouse Gallery — PSU Theatre Arts student scenic designs.

Sackett Gallery, Third Floor — PSU Architecture student projects.

Zoller Gallery — First Annual Christmas Student Exhibition and Sale, Dec. 6-8, special hours Saturday, Dec. 8, 8 a.m.-5 p.m.

Kern Gallery — Roger Cramer, ceramics through Nov. 11. Tony De Furio, sculptures, through Dec. 1. Horace Engle photography. Art Education Advancement Ceramics, opening Dec. 1.

invites applications for their Urban Fellowship for seniors and graduate students planning to attend Penn State next year. Application forms are available in 317 Kern Graduate Building or from the person given above. The application deadline is January 31, 1974. Fellows must be enrolled in a graduate program in the social sciences and be located in New York City from September 11, 1973 to June 1975 as interns in city government. They will take part in weekly seminars and their work will be supervised by a faculty member. Fellows must be supported in addition by a fellowship from the University plus a \$2000 grant-in-aid from the Graduate School. Applicants prepared to provide the \$500 fellowship or more of their students may nominate him or her to the Graduate School, which will consider the nominee for a grant-in-aid from the limits of its resources. The Graduate School will usually award a grant-in-aid to fellowship recipients of this type. The nominating department must advise the Graduate School of the student will enroll while engaged in internship experience.

REMINERS — DEADLINE DATES
Oct. 15 for preliminary proposals OE/PIPE (Nov. 1 INTERCOM 105-3) ... Jan. 15 for letter and Ford Foundation Population Policy (Oct. 15 INTERCOM 105-2) and (Oct. 15 INTERCOM 105-1) ... Jan. 22 for NSF Service Delivery in Metropolitan Areas (Oct. 15 INTERCOM 105-1) ... Jan. 22 for NSF Local Government research (Nov. 25 INTERCOM 105-4) ...
Reminder for NSF Alternatives in Higher Education program and Educational Program Research program (Nov. 15 INTERCOM 105-1 and 105-2)

PENN STATE intercom

Volume 3, Number 14

December 6, 1973

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the cless schedule

News in Brief

INMATE ARTISTS

An exhibition of art works created by inmates at Rockview and Huntington correctional institutions, who were taught for the past year by Stephen Groot, graduate student in art education, opened this week in the Chambers Building Gallery and will remain until Dec. 19. Oil and water colors, ceramics, weavings, models and other works are on display. A reception, to be attended by some of the inmate-artists, will be held in the Gallery Sunday, Dec. 9, from 2 to 4 p.m.

PATTEE EXHIBITS

An exhibit entitled "The Early Photograph, a Penn State Collection Exhibit," is featured in the Penn State Room, Central Pattee, first floor, with unusual photos including a parlor album of "Cartes de Visite," from the personal effects of George W. Atherton, president of the University from 1882 to 1906. In West Pattee

Lobby, until Dec. 16, is a set of ink drawings by Dr. Hans Neuberger, professor emeritus of meteorology. Under the title, "Geometric Abstractions," 17 drawings are on display.

CAPITOL GRADUATES

More than a hundred graduates received degrees at Fall Term Commencement Exercises at Capitol Campus last Saturday. Of the total, 21 were awarded master's degrees. Seventeen undergraduate students were graduated with honors.

OFFICES MOVED

Activities of the Office of Student Affairs at the University have been moved to the Boucke Bldg. The Office of Student Aid and the Student Assistance Center are located on the first floor, the Educational Opportunity Program and the office of the vice president for student affairs on the second floor, Residential Life Programs and International Student Affairs, on the third floor, and the Career Development and Placement Center on the fourth floor.

NITTANY LION INN CLOSING

The Nittany Lion Inn food service will cease for the Christmas break after dinner Wednesday, Dec. 19, resuming for the breakfast meal Wednesday, Jan. 2.

NEW ORGANIZATION MEETS

Returning Student Women, a new organization on campus, will meet Wednesday, Dec. 12, in 101 Kern Building at 7:30 p.m., with a program consisting of a film about the difficulties of returning to college after an extended absence and a talk about adjunct students by Dr. Harvey Wall. The meeting is open to the public.

VOCAL RECITAL

Mezzo soprano Cathryn Utema, candidate for the M.F.A. degree in music, will give a recital Sunday, Dec. 9, at 3:30 p.m. in the Music Building recital hall, singing works of five composers, including two song cycles. She will sing Aron Copland's music on 12 poems by Emily Dickinson as well as Francis Poulenc's "Le Bestiaire."

HERSHEY UNITED WAY

At Hershey Medical Center, the annual drive on behalf of the Tri-county United Way surpassed its goal long before the campaign for funds ended, with a total of \$17,546 by the end of October, an increase of 221 per cent above the 1972 total. The number of employees contributing tripled.

MURAL FOR LIBRARY

An abstract mural designed and created by Jan Riggs, Rona Rothenberg, and Nancy Ziegenfuss, three art education seniors, has been presented to the University Libraries and is on view in the Reserve Reading Room, W11 West Pattee. Yar Chomsky, professor of art education, directed the mural project.

MONOGRAPH PUBLISHED

The University Press has published a monograph, "The Villa Emo at Fanzolo," devoted to the works of the great Italian Renaissance architect, Andrea Palladio. It was prepared by Giampaolo Palladio Favero. Palladio influenced 18th century classical revival greatly, and he made a lasting impression through his theories of proportion in architecture generally and in Roman architecture in particular.

(Continued on page four)

CALENDAR

Dec. 6-16, 1973

(Note: The listings below are in addition to those in the Winter Term Calendar on Pages 2-3.)

SEMINARS

Thursday, Dec. 6 — Chemistry, 12:45 p.m., Room 310 Whitmore. Otto Vogt, University of Massachusetts, on "Polymerization and Copolymerization of Chlorals." Thursday, Dec. 6 — Agronomy, 3:55 p.m., Room 301 Agri. Adm. R. G. Cunningham, Vice President for Research and Graduate Studies, on "Hunkering Down" and Symptoms of the Teaching Institution Syndrome.

Thursday, Dec. 6 — Slavic and Soviet Languages and Area Studies, 2 p.m., Room 124 Sparks. Professor Samuel Kotz, Temple University, on "Evolution of Statistical and Probabilistic Concepts in the Soviet Union and in the West."

Thursday, Dec. 6 — Physics, 3:35 p.m., Room 117 Osmond. Dr. Ernest J. Moniz, University of Pennsylvania, on "High Energy Electron Scattering from Nuclei."

Tuesday, Dec. 11 — Solid State Physics, 1 p.m., Room 445 Davey. Professor Eugene Watson, engineering acoustics, on "Location of Sound Sources by Acoustical Holography."

Thursday, Dec. 13 — Chemistry, 12:45 p.m., Room 310 Whitmore. Charles K. Brodshier, Duke University, on "Polar Cycloadditions."

Thursday, Dec. 13 — Agronomy, 3:55 p.m., Room 301 Agri. Adm. D. E. Baker on "Quality in Graduate Student Research."

Thursday, Dec. 13 — Physics, 3:35 p.m., Room 117 Osmond. Dr. Claudio Teitelboim, Princeton University, on "Space Time as a Derived Concept."

LECTURE

Thursday, Dec. 13 — Central Pennsylvania Chapter, A.C.M., 8 p.m., Room 101 Kern. Frank K. Cassell, E.I. du Pont de Nemours and Co., on "Audit Controls and Trails."

MEETING

Thursday, Dec. 6 — Orientation for veterans, 7:30 p.m., HUB assembly room, to provide information on the "Cranston Amendment" programs.

Wednesday, Dec. 12 — Returning Student Women, 7:30 p.m., Room 101 Kern. Dr. Harvey Wall, speaker; film, Meeting open to public.

EXHIBITS

Chambers Gallery — Multi-media works of inmates at Rockview and Huntington correctional institutions, until Dec. 19.

VEHICLE SPEEDS

In order to comply with President Nixon's policy statement regarding the fuel crisis and to adhere to President Oswald's request at conserving fuel at Penn State University, a 50 mph maximum speed limit has been imposed on all University vehicles. All users of the Fleet vehicles are requested to allow themselves additional travel time in order that they may comply with this speed limit.

It is hoped that this speed limitation will not only save fuel but will also have an additional effect on the safety of the users as well as adding to the life of the vehicles themselves. It is hoped that all users of these vehicles will support this new mandate so that disciplinary action will not be necessary for those who fail to comply.

Five O'Clock and University Theatre productions

Two plays to open next week

During December, the University Theatre will present two productions; one through Five O'Clock Theatre, and another, a full Medieval Christmas pageant, for children (of all ages).

"The Shepherds' Play," the University Children's Theatre holiday production with performances Dec. 15-18 in the Playhouse, is a play with appeal for the entire family.

Originating in England in the Middle Ages as a town pageant performed in the streets, "The Shepherds' Play" is warm, moving and full of Medieval comic types, according to Helen Marfull, assistant professor of theatre arts. She feels the common origins of the play and the free, flowing nature of the action add to its appeal.

Created by townspeople and guilds as a means of understanding the mystical and religious significance of Christmas in terms of their own lives, the play begins with a situation paralleling the Nativity with a lamb as the newborn baby. The final scene is a Christmas pageant, with costumes, mood, and staging drawn from Medieval

paintings, creating a sense of reverence and beauty.

Performances are scheduled for 10:30 a.m. and 2:30 p.m. on Saturday, 2:30 and 7:00 p.m. on Sunday, and 4:00 and 7:00 p.m. on Monday and Tuesday. Ticket information is available from the theatre box office, 865-1884.

Five O'Clock Theatre will present its second full length play in its history on Wednesday, December 12, at 5:20 p.m. "Fat Fell Down," a bitter comedy by Dan Ellenstuck, that concerns itself with the story of an overweight 13-year-old whose parents send him to a "fat farm," and the effect that it has on the boy. The production is being entered in the American College Theatre Festival, and is the last production for Mark Berman, who has headed Penn State's Five O'Clock Theatre for some years.

Other performances will be given Thursday at 5:20 p.m. and Friday at 7:20 p.m. Free tickets will be available at the Pavilion Theatre one-half hour before each performance.

Department heads named for music education, horticulture



Dr. D.W. Hepler

Dr. D. William Hepler, associate professor of plant breeding, has been appointed head of the Department of Horticulture and professor of plant breeding, effective December 1. He has been serving as acting department head since the death of Dr. Darrell E. Walker in July.

A native of Durham, N. H., Dr. Hepler

was appointed to the faculty in January 1970. He earned a bachelor of science degree from the University of New Hampshire, master of science degree from Penn State, and the doctor of philosophy degree from the University of Illinois, all with a major in horticulture.

From 1954 and until coming to Penn State, he was owner of the Hepler Seed Co.; research associate and assistant professor of vegetable crops at the University of Illinois; plant breeder for the California Packing Corporation; and manager of research and foundation seeds for FMC Corporation, San Juan Bautista, Calif.

Dr. Warren E. George, formerly associate professor of music and education and coordinator of undergraduate studies in music at the University of Texas, has been named professor and head of the department of music education.

While at the University of Texas, Dr.

George had responsibility for all undergraduate programs and student affairs.

Earlier in his career, he was director of instrumental music in the public schools of Olathe, Kans., and teaching assistant and research assistant at the University of Kansas.

A native of Kansas, Dr. George is a graduate of the University of Kansas, where he earned the bachelor of music education degree. He holds the master of music degree from Michigan State University and the doctor of philosophy from the University of Kansas.

Active in a number of professional organizations, Dr. George was one of 12 persons from the United States invited to the Second International Seminar on Research in Music Education in Stockholm, Sweden, in 1970.

His research, primarily on musical evaluation and testing in music education, has resulted in a number of papers published in professional journals.

1973-74 Winter Term Calendar

University Park Campus

The Pennsylvania State University



Penn State Wrestling Team
Rec Hall, Dec. 7-8

•WEEK OF DEC. 3-9

Monday, December 3

Intramural Student Orientation, 4 p.m., Room 115 Kern.

Tuesday, December 4

Registration.

Wednesday, December 5

Registration.
A.R.H.S., Orientation Jammy, 7:30-9:30 p.m., HUB ballroom.
The Church of Jesus Christ of Latter Day Saints, 9 a.m.-5 p.m., HUB assembly room. Film: Also Dec. 6, 7.
Sports: Men's basketball, vs. Virginia, 8 p.m., Rec Hall. Graduate Council meeting, 2:40 p.m., Room 101 Kern.

Thursday, December 6

Artists Series, "The Swashbuckler," Douglas Fairbanks, Sr. in "The Mark of Zorro," 8:30 p.m., Schwab.
Drop-Add substitution, HUB.
Parish, 10 a.m.-2 p.m., HUB ballroom. Sorority rushing registration.
Graduate Student Association Lecture Series, 8 p.m., Room 112 Kern.

Friday, December 7

Artists Series, "The Swashbuckler," Douglas Fairbanks, Sr. in "The Thief of Baghdad," 8:30 p.m., Schwab.
Sports: Wrestling, Penn State Intramural Tournament, Rec Hall. Men's Swimming, vs. Colgate, 3:30 p.m., Natatorium.
Drop-Add substitution, HUB.
Free-U registration, 9:30 a.m.-4 p.m., HUB ballroom.
USG film, "The Assassin of Youth," 12:30 and 10:30 p.m., HUB ballroom.
Popey demonstration, 12 noon, Kern lobby.
Graduate Student Association Orientation Social, 8 p.m., Room 102 Kern.

Saturday, December 8

Artists Series, "The Swashbuckler," Douglas Fairbanks, Sr. in "The Black Pirate," 8:30 p.m., Schwab.
Sports: Wrestling, Penn State Intramural Tournament; Men's Fencing, Colgate open, 8 a.m., Rec Hall. Free-U registration, 12 noon to 4 p.m., HUB ballroom. Bahai Club, 7:10 p.m., HUB ballroom.

Sunday, December 9

Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.
Chapel Service, 11 a.m., Eisenhower Chapel. Dr. John E. Winter, philosophy, Millersville State College.
Young Scientists Jammy, 7:10-9:30 p.m., HUB ballroom.
Cultural F. Ulema, voice recital, 3:30 p.m., Music Bldg. recital hall.
PSU Sport Parachute Club Paraskating, 9 a.m., Stone Valley.

INTEREST GROUPS

Alpha Phi Omega, Mondays, 6:30-9 p.m., Room 308 Boucke.
Campus Crusade for Christ, Tuesdays, starting Jan. 8, 6:45-10 p.m., HUB lounge.
Chess Club, Wednesdays, 8-11 p.m., HUB card room.
Chess Team, Thursdays, 8-11 p.m., Room 106 Sackett.
Eco-Action, Mondays, 8 p.m., Room 316 Boucke.
Environmental Research Mgmt. Club, 7 p.m., Dec. 11, Jan. 8, 22, Feb. 5, Room 309 Boucke.
Free-U, Mondays 7-9 p.m., Room 203 HUB.
Gamma Sigma Sigma, Tuesdays, 7-9 p.m., Room 309 Boucke.
German - Kaffeestunde, Thursdays, 2:30-4:30 p.m., Room 217 Burrard.
Interfaith Folk Dance Jammy, 7:30-10:30, HUB ballroom, (except Dec. 9).
Keystone Society, Wednesdays, 7:30 p.m., Room 304 Boucke.
PSOC Main Club, Dec. 11, Room 10 Sparks, 7:30 p.m.; Hiking Div., Dec. 12 and Jan. 9, 7:30 p.m.; Room 301 Boucke; Sailing Div., Dec. 13, 7:30 p.m.; Room 214 Boucke; Equestrian Div., Dec. 18, Jan. 8, 29, Feb. 12, 7:30 p.m., Room 111 Ave. Ind. Mountaineering Div., Dec. 18, Jan. 8, Feb. 12, 7:30 p.m., Room 214 Boucke; Canoe Div., Jan. 3, Feb. 7, 7:30 p.m., Room 214 Boucke.
PSOC, Ski division, 7:30 p.m., Dec. 12, 106 Boucke; Jan. 9, 121 Sparks; Jan. 16, 214 Boucke; Jan. 23, 121 Sparks; Feb. 6, 20, 121 Sparks.
PSU Sports Car Club, 7:30 p.m., Dec. 12, Jan. 9, 23, Feb. 6, 20, Room 365 Wilard.
Young Scientists, Mondays, 8-11 p.m., Room 301 Boucke.

•WEEK OF DEC. 10-16

Monday, December 10

Drop-Add substitution, HUB.
Volunteer Service Center, 7:30-9:30 p.m., Room 167 Wilard.

Tuesday, December 11

Hill Youth Foundation, 7-10 p.m., HUB assembly room. Film.
Drop-Add substitution, HUB.
University Faculty Senate meeting, 2:10 p.m., Room 112 Kern.
Christmas workshop (Christmas cards), 11 a.m., Kern lobby.
CBA Student Council social event, 7:30-10:30 p.m., HUB main lounge.
University Committee on International Programs, "Christmas and New Year's in Other Lands," entertainment and dancing, 8-12 p.m., HUB ballroom.

Wednesday, December 12

Alard String Quartet, 8:30 p.m., Music Bldg. recital hall.
Drop-Add substitution, HUB.
O'Clock Theatre, "Fat Fell Down," by Dan Ellenick, 5:20 p.m., Pavilion Theatre.
Commonplace Theatre, "Reeler Madness," and "Popeye Meets Al Baba," 8 and 10 p.m., Room 112 Kern.
Join Christmas nonline concert, Phi Mu Alpha and Phi Mu Epsilon, 12 noon, lobby of Kern.

Thursday, December 13

Commonplace Theatre, "Reeler Madness," and "Popeye Meets Al Baba," 8 and 10 p.m., Room 112 Kern.
Drop-Add substitution, HUB.
Student Assistance Center Advisory Board, 7:30 p.m., Room 213 HUB.
O'Clock Theatre, "Fat Fell Down," by Dan Ellenick, 5:20 p.m., Pavilion Theatre.
Christmas workshop (Christmas ornaments and decorations), 11 a.m., Kern lobby.

Friday, December 14

Folk and Square Dance Roundups, 7:30-9 p.m., North Gym, White.
Drop-Add substitution, HUB.
O'Clock Theatre, "Fat Fell Down," by Dan Ellenick, 7:20 p.m., Pavilion Theatre.
Commonplace Coffeehouse, 8 p.m., Room 102 Kern.
AWS, 1-5 p.m., HUB reading room, 7-9 p.m., HUB ballroom.

Saturday, December 15

Sports: Women's Bowling, vs. Franklin and Marshall, 1 p.m.; Women's Gymnastics, vs. Franklin and Marshall, 1 p.m.; Women's Swimming, vs. Franklin and Marshall, 2 p.m.; Men's Fencing, vs. Birmingham, 2 p.m.; Wrestling, vs. Rutgers, 8 p.m., Rec Hall.
Chinese Student Association Dance, 8 p.m., Room 102 Kern.
North Hall Jam, "Play it as It Lays," Room 108 Forum, 7:30 and 9:30 p.m.
University Chorus and Symphony Orchestra Christmas Concert, 8:30 p.m., Schwab.
University Children's Theatre, "The Shepherds' Play," 10:30 a.m. and 2:30 p.m., Playhouse Theatre.

Sunday, December 16

Penn State Glee Club and Penn State Brass Chorus, 3:30 p.m., Music Bldg. recital hall.
Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.
Chapel Service, 11 a.m., Eisenhower Chapel. Dr. John E. Winter, philosophy, Millersville State College.
A Service of Lessons and Carols.
College of Engineering Faculty, 2-4 p.m., HUB ballroom. Social event.
University Children's Theatre, "The Shepherds' Play," 2:30 and 7 p.m., Playhouse Theatre.
PSU Sport Parachute Club Paraskating, 9 a.m., Stone Valley.

•WEEK OF DEC. 17-23

Monday, December 17

Pennsylvania Vocal Ensemble and Musica da Camera, Christmas portion of Handel's "Messiah," 8:30 p.m., Music Bldg. recital hall.
Deadline for filing Course Repeat option.
University Children's Theatre, "The Shepherds' Play," 4 and 7 p.m., Playhouse Theatre.
Drop-Add substitution, HUB.

Tuesday, December 18

Pennsylvania Vocal Ensemble and Musica da Camera, Christmas portion of Handel's "Messiah," 8:30 p.m., Music Bldg. recital hall.
University Children's Theatre, "The Shepherds' Play," 4 and 7 p.m., Playhouse Theatre.
Women's Gymnastics Clinic, 7:30 p.m., White.

Wednesday, December 19

Christmas recess begins at 9:55 p.m.

Friday, December 21

Sports: Men's Basketball, vs. Kent State 8 p.m., Rec Hall.

Imogene Coca, left, discusses her husband's nervous breakdown, in *Neil Simon's* *Play, The Prisoner of Second Avenue*, on Artists Series, Friday, Jan. 11, two performances, 5:30 and 9:30 p.m., in Schwab.

•WEEK OF DEC. 31-JAN. 6

Wednesday, January 2

Graduate Council meeting, 2:40 p.m., Room 101 Kern.

Thursday, January 3

Classes resume, 8 a.m.

Friday, January 4

Sports: Wrestling, vs. Yale, 8 p.m., Rec Hall.
USG films, "Classic Shorts," W. C. Fields, Charlie Chaplin, Keystone Cops, the Marx Brothers, 7:30 and 10 p.m., HUB ballroom.
Commonplace Coffeehouse, 8 p.m., Room 102 Kern.

Saturday, January 5

Artists Series, Tokyo String Quartet, 8:30 p.m., Schwab.
Sports: Men's Gymnastics, vs. Springfield, 8 p.m., Rec Hall.
USG films, "Classic Shorts," W. C. Fields, Charlie Chaplin, Keystone Cops, the Marx Brothers, 7:30 and 10 p.m., HUB ballroom.

Sunday, January 6

Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.
Chapel Service, 11 a.m., Eisenhower Chapel. Rev. Mac Saddlers, Methodist Campus Minister.
Bruce Cockpitt, cello recital, 3:30 p.m., Music Bldg. recital hall.
PSU Sport Parachute Club Paraskating, 9 a.m., Stone Valley.

FILM SERIES

Arnold Air Society series, Thursdays through Sundays, 7 and 9 p.m., either Room 105 or 102 Forum, beginning Dec. 6.
Centre Halls series, Thursdays through Sundays, 3:30 and 10 p.m., either Room 102 or 105 Forum, beginning Dec. 6.
Free-U children's series, Saturdays, 12:30 and 2:30 p.m., HUB assembly room, beginning Dec. 15.
North Halls series, Fridays through Saturdays, 7:30 and 9:30 p.m., Rooms 111, 108, or 105 Forum, beginning Dec. 7.

•WEEK OF JAN. 7-13

Tuesday, January 8

University Faculty Senate meeting, 2:10 p.m., Room 112 Kern.

Wednesday, January 9

Commonplace Theatre, "Yankee Doodle Dandy," 8 and 10 p.m., Room 112 Kern.
File for Pass/Fall option.
Deadline for filing Course Repeat option.
Artists Series, The Films of Luis Bunuel, "Un Chien Andalou," and "Simon of the Desert," 8:30 p.m., Schwab.
Thalia Trio, 8:30 p.m., Music Bldg. recital hall.
Phi Mu Alpha nonline concert, 12 noon, Kern lobby.

Thursday, January 10

File for Pass/Fall option.
Deadline for filing Course Repeat option.
Sports: Men's Wrestling, vs. Oklahoma, 8 p.m., Rec Hall.

Friday, January 11

Campus 4-H Square Dance, 8-11 p.m., HUB ballroom.
Artists Series, "The Prisoner of Second Avenue," 5:30 and 9:30 p.m., Schwab.
Deadline for filing Course Repeat option.
File for Pass/Fall option.
Deadline for filing Course Repeat option.
Pre-registration deadline.
Commonplace Coffeehouse, 8 p.m., Room 102 Kern.

Saturday, January 12

Sports: Women's Rifle, vs. Youngstown State, 9 a.m.
Free-U Jammy, 7:10-11:30 p.m., HUB ballroom.

Sunday, January 13

Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.
Chapel Service, 11 a.m., Music Bldg. recital hall. Rev. James O. Stallings, Executive Secretary, N.A.A.C.P., Cleveland, Ohio.
PSU Sport Parachute Club Paraskating, 9 a.m., Stone Valley.
Alpha Phi Omega Sorority, "Greek Sing," 2-4 p.m., Schwab. Benefit.



STUDENT GOVERNMENT

A.R.H.S., Tuesdays, 7:30-9:30 p.m., Room 203 HUB (except Dec. 11).
A.W.S., Wednesdays, Dec. 5, Jan. 16, Jan. 30, Feb. 13, 7:30-9:30 p.m., Room 203 HUB.
College of Business Administration Student Council meetings, Dec. 11, 6:30 p.m.; Jan. 8, 22, Feb. 5, 19, 7 p.m., all in Room 208 Business Admin Bldg.
College of Education Student Council, Mondays, Dec. 10, Jan. 7, 21, Feb. 4, 18, Room 67 Wilard, 7-8:30 p.m.
College of Science Student Council, Wednesdays, 6:45 p.m., 11:15 a.m. (except test meeting Dec. 12).
OTIS, Mondays, 6:30-8 a.m., Room 203 HUB Parachute Club, Mondays, 6:30 p.m., in residence halls.
USG Academic Assembly, Wednesdays, Dec. 12, Jan. 9, Jan. 23, Feb. 6, Feb. 20, 7:30-9:30 p.m., Room 203 HUB.
USG Senate, Mondays, 7:30-10:45 p.m., HUB assembly room, except Jan. 14 and Feb. 23.

•WEEK OF JAN. 14-20

Monday, January 14

Sports: Men's Basketball, vs. Princeton, 8 p.m., Rec Hall.
Coaly Society, 7:30-9 p.m., HUB assembly room.
Overday Page, Hute recital, 8:30 p.m., Music Bldg. recital hall.

Tuesday, January 15

College of Agriculture Faculty meeting, 4 p.m., HUB assembly room.
College of Liberal Arts Faculty meeting, 3:55 p.m., Room 121 Sparks.

Wednesday, January 16

Commonplace Theatre, "Sahara," 8 and 10 p.m., Room 112 Kern.
Artists Series, The Films of Bunuel, "Los Olvidados," 8:30 p.m., Schwab.
Sports: Men's Basketball, vs. Delaware, 8 p.m., Rec Hall.
Coaly Society, 7:30-9 p.m., HUB assembly room.
Alard String Quartet, 8:30 p.m., Music Bldg. recital hall.
O'Clock Theatre, "Cowboys and Indians," by Lawrence Lebin, 5:20 p.m., Pavilion Theatre.

Thursday, January 17

Engineering College faculty meeting, 4 p.m., Room 112 Kern.
Mineral Sciences.
Business Administration faculty meeting, 10 a.m., Room 201 Business Admin Bldg.
College of Arts and Architecture faculty meeting, 4 p.m., Room 302 Engineering A.
O'Clock Theatre, "Cowboys and Indians," 5:20 p.m., Pavilion Theatre.

Friday, January 18

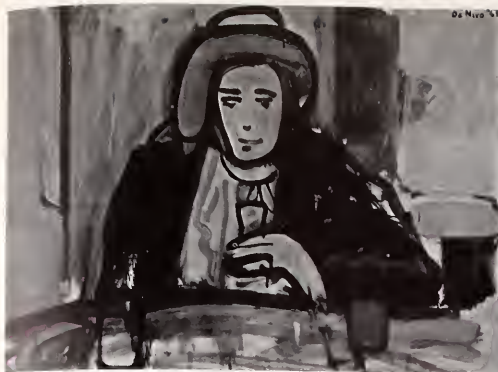
IFC Dance Marathon, HUB ballroom.
Folk and Square Dance Roundups, 7:30-9 p.m., North Gym, White.
Penn State Wind Ensemble, 8:30 p.m., Music Bldg. recital hall.
O'Clock Theatre, "Cowboys and Indians," 7:20 p.m., Pavilion Theatre.
Commonplace Coffeehouse, 8 p.m., Room 102 Kern.

Saturday, January 19

IFC Dance Marathon, HUB ballroom.
Sports: Women's Basketball, vs. Edinboro State, 8 p.m.; Men's Gymnastics, vs. Syracuse, 8 p.m., Rec Hall.
Wrestling, vs. Syracuse, 2:30 p.m., Rec Hall.
Men's Swimming, vs. Pittsburgh, 2 p.m.; Men's Rifle, vs. Villanova-West Virginia, Women's Fencing, vs. Ohio State, 10 a.m.
Penn State Singers, 8:30 p.m., Schwab.
Chinese Student Association New Year Celebratory (dinner and entertainment), dinner served between 6 and 7:30 p.m., Rooms 102 and 104 Kern.

Sunday, January 20

Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.
Chapel Service, 11 a.m., Eisenhower Chapel. Dr. M. Seward, executive assistant to the president.
IFC Dance Marathon, HUB ballroom.
PSU Sport Parachute Club Paraskating, 9 a.m., Stone Valley.



"Greta Garbo as Anna Christie," is painting by Robert de Niro, in Zoller Gallery Dec. 10-Jan. 2.

EXHIBITS

MUSEUM OF ART

Charles A. Burchfield, Drawings, through Dec. 20, Gallery A.
Selections from the Permanent Collection, through Dec. 20, Jan. 2-13.
African Sculpture, Jan. 6-Feb. 3, Gallery A.
Prints and Drawings from Central Pennsylvania Collectors, Jan. 20-March 3, Gallery C.
Charles Sheeler, The Works on Paper, Feb. 10-March 24, Gallery A.

ZOLLER GALLERY

First Annual Christmas Student Exhibition and Sale, Dec. 6-Dec. 8.
Robert de Niro, multi-media, Dec. 10-Jan. 2.
Special projects by Art 411 graduate students, Jan. 3-Jan. 12.
Enslavement of Seduction, Jan. 14-Jan. 26.
Nina Rosenblum Invitational, Feb. 4-9.
Mary Lou Thompson, MFA Show, Feb. 4-Feb. 9.
Arnold Bittelman, paintings, and Dolores Bittelman, weaving, Feb. 11-March 2.

KERI GALLERY

Horace English photography, through Dec. 24.
Art Education Advanced Ceramics Exhibition, through Dec. 22.
Western State College of Colorado Faculty Art Exhibit, Jan. 2-Jan. 24.
David Tall, photography, Jan. 2-Jan. 24.
Central Pennsylvania Scholastic Art Exhibit, Jan. 25-Feb. 8.
Paul Klee, prints, Feb. 2-Feb. 23.
Jack Shaul, watercolors, Feb. 9-March 2.
Linda Stilleweil, abstract oils, Feb. 24-March 2.

SACKETT GALLERY, THIRD FLOOR
PSU Architecture student projects, Dec. 3-Dec. 31.

ARTS BLDG., PLAYHOUSE GALLERY
PSU Theatre Arts student scene designs, Dec. 5-Dec. 19.

•WEEK OF JAN. 21-27

Monday, January 21

William Thomas, cello recital, 8:30 p.m., Music Bldg. recital hall.

Tuesday, January 22

Alpha Sigma Alpha, 8:30-11:30 p.m., HUB ballroom. Social event.

Wednesday, January 23

Commonplace Theatre, Mr. Smith Goes to Washington, 8 and 10 p.m., Room 112 Kern.
Artists Series, The Films of Luis Bunuel, "Nazarin," 8:30 p.m., Schwab.
Renaissance-Baroque Concert, 8:30 p.m., Music Bldg. recital hall.
5 O'Clock Theatre, "Now That Ed's Gone," by Matt Cutugno, 5:20 p.m., Pavilion Theatre.

Thursday, Jan. 24

Sports: Women's Basketball, vs. Gettysburg, 3 p.m.; Women's Bowling, vs. Gettysburg, 3 p.m.; 5 O'Clock Theatre, "Now That Ed's Gone," 5:20 p.m., Pavilion Theatre.

Friday, January 25

Artists Series, Contemporary Chamber Ensemble, 8:30 p.m., Schwab.
USG film, "The Yellow Submarine," 7:30 and 10 p.m., HUB ballroom.
5 O'Clock Theatre, "Now That Ed's Gone," 7:20 p.m., Pavilion Theatre.
Commonplace Coffeehouse, 8 p.m., Room 102 Kern.

Saturday, January 26

Sports: Men's Gymnastics, vs. Navy, 2 p.m., Rec Hall.
Women's Fencing, vs. Trenton State, 10 a.m., White.
Free-U children's films, 12:30 and 2:30 p.m., HUB assembly room.
USG film, "The Yellow Submarine," 7:30 and 10 p.m., HUB ballroom.

Sunday, January 27

Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.
Service, 11 a.m., Eisenhower Chapel.
Jean T. Bowman, Christian Science practitioner, Pittsburgh.
PSU Symphony Orchestra, Young People's Concert, 3:30 p.m., Schwab.
PSU Spot Parade Club Parading, 9 a.m., Stone Valley.

•WEEK OF JAN. 28-FEB. 3

Monday, January 28

June Miller, organ recital, 8:30 p.m., Music Bldg. recital hall.

Wednesday, January 30

Commonplace Theatre, "Notorious," 8 and 10 p.m., Room 112 Kern.
Artists Series, The Films of Luis Bunuel, "Viridiana," 8:30 p.m., Schwab.
Sports: Men's Basketball, vs. Syracuse, 8 p.m., Rec Hall.
University Theatre Student Preview, "Saint Joan," 7:30 p.m., Playhouse Theatre.
Claremont Woodwind Quintet, 8:30 p.m., Music Bldg. recital hall.

Friday, February 1

Artists Series, William Windom as "James Thurber," 8:30 p.m., Schwab.
Science Fiction Society, 7:12 p.m., HUB ballroom.
Film, University Theatre, "Saint Joan," 7:30 p.m., Playhouse Theatre.
Commonplace Coffeehouse, 8 p.m., Room 102 Kern.

Saturday, February 2

Sports: Women's Bowling, vs. Cornell, 1 p.m.; Women's Rifle, vs. Drexel, Rider, Philadelphia College of Pharmacy, 9 a.m.; Men's Fencing, vs. Army, 2 p.m.; Men's Rifle, vs. Navy, 2 p.m.; University Theatre, "Saint Joan," 7:30 p.m., Playhouse Theatre.

Sunday, February 3

Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.
Chapel Service, 11 a.m., Eisenhower Chapel.
Rabbi Chaim E. Schertz, B'nai B'rith Hill Foundation, Stone Valley.
Music Guild, An Evening of Classical Music, 8 p.m., Room 112 Kern.

•WEEK OF FEB. 4-10

Monday, February 4

Margaret Smith, violin recital, 8:30 p.m., Music Bldg. recital hall.

Tuesday, February 5

Sports: Women's Gymnastics, vs. Lock Haven, SUNY-Corland, University of Maryland-Baltimore County, 7:30 p.m.
First day for signing NDSL (National Direct Student Loans), SEOG (Supplemental Educational Opportunity Grants), BEOG (Basic Educational Opportunity Program), and University Loans for Spring Term.
Alpha Phi Omega Bloodmobile, 9 a.m. 5 p.m., HUB ballroom.
University Theatre, "Saint Joan," 7:30 p.m., Playhouse Theatre.

Wednesday, February 6

Commonplace Theatre, "Greetings," 8 and 10 p.m., Room 112 Kern.
Artists Series, The Films of Luis Bunuel, "The Exterminating Angel," 8:30 p.m., Schwab.
Sports: Men's Basketball, vs. Temple, 8 p.m., Rec Hall.
Alpha Phi Omega Bloodmobile, 9 a.m. 5 p.m., HUB ballroom.
University Theatre, "Saint Joan," 7:30 p.m., Playhouse Theatre.
Gregory Donovan, oboe recital, 8:30 p.m., Music Bldg. recital hall.
Graduate Council meeting, 2:40 p.m., Room 101 Kern.

Thursday, February 7

Commonplace Theatre, "Greetings," 8 and 10 p.m., Room 112 Kern.
University Theatre, "Saint Joan," 7:30 p.m., Playhouse Theatre.
American Institute of Archaeology Central Pa. Society, 8 p.m., Room 101 Kern.

Friday, February 8

Invitational Student Film Festival, Schwab.
Folk and Square Dance Roundups, 7:30-9 p.m., North Gym, White.
USG film, "The Point," 8 and 10 p.m., HUB ballroom.
Commonplace Coffeehouse, 8 p.m., Room 102 Kern.
University Theatre, "Saint Joan," 7:30 p.m., Playhouse Theatre.

Saturday, February 9

Sports: Women's Basketball, vs. Shippensburg, 1:30 p.m.; Women's Gymnastics, vs. Ohio State, Kent State, Youngstown State, 2 p.m.; Women's Rifle, vs. Kutztown, 10 a.m.; Women's Swimming, vs. Shippensburg, 2 p.m.; Wrestling, vs. Navy, 8 p.m., Rec Hall; Men's Swimming, vs. Bucknell, 2 p.m.; Men's Fencing, vs. Newark, 2 p.m.; Men's Rifle, vs. Army, University Theatre, "Saint Joan," 7:30 p.m., Playhouse Theatre.
Invitational Student Film Festival, Schwab.

Sunday, February 10

Invitational Student Film Festival, Schwab.
Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.
Chapel Service, 11 a.m., Eisenhower Chapel.
Rev. Charles L. Coleman, program director, Religious Affairs.

NOTES:

•WEEK OF FEB. 18-24

Monday, February 18

Robert Trehy and Karen Cain, voice recital, 8:30 p.m., Music Bldg. recital hall.

Tuesday, February 19

University Theatre, "Blessed Event," 8 p.m., Pavilion Theatre.

Wednesday, February 20

Commonplace Theatre, "Thief of Baghdad," 8 and 10 p.m., Room 112 Kern.
Artists Series, The Films of Luis Bunuel, "Belle de Jour," 8:30 p.m., Schwab.
Sports: Men's Basketball, vs. West Virginia, 8 p.m., Rec Hall.
University Theatre, "Blessed Event," 8 p.m., Pavilion Theatre.
Penn State Brass Choral, 8:30 p.m., Music Bldg. recital hall.

Thursday, February 21

University Theatre, "Blessed Event," 8 p.m., Pavilion Theatre.

Friday, February 22

Folk and Square Dance Roundup, 7:30-9 p.m., North Gym, White.
University Theatre, "Blessed Event," 8 p.m., Pavilion Theatre.
Commonplace Coffeehouse, 8 p.m., Room 102 Kern.

Saturday, February 23

Sports: Wrestling, vs. Pittsburgh, 4 p.m.; Men's Swimming, vs. West Virginia, 2 p.m.; Men's Basketball, vs. Pittsburgh, 1 p.m.; Men's Gymnastics, vs. So. Connecticut, 8 p.m.; Women's Basketball, vs. Indiana U. of Pa., 1 p.m.; Women's Swimming, vs. East Stroudsburg, Clarion State, Slippery Rock, 5:30 p.m.
USG film, "The Pit and the Pendulum," 7:30 and 10 p.m., HUB ballroom.

Sunday, February 24

Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.
Chapel Service, 11 a.m., Eisenhower Chapel.
Jon P. Gunnaman, religious studies.

•Week of Feb. 25-Mar. 3

Monday, February 25

Nancy Hadden, Baroque music recital, 8:30 p.m., Music Bldg. recital hall.

Tuesday, February 26

Sports: Men's Basketball, vs. Ohio University 8 p.m., Rec Hall.
Liberal Arts faculty meeting, 3:55 p.m., Room 121 Sports.

Wednesday, February 27

Last day for signing Emergency Loans for the Winter Term.
Daphne Fatula, voice recital, 8:30 p.m., Music Bldg. recital hall.
Classes and, 9:55 p.m.

Thursday, February 28

Final exams.

Friday, March 1

Final exams.

Saturday, March 2

Sports: Men's Basketball, vs. Rutgers, 8 p.m., Rec Hall.
Final exams.

Saturday, March 9

Winter Term Commencement.



Lotte Goslar's Pantomime Circus, on Artists Series, Feb. 15-16.

Library Notes

Winter Term Instructional Services for faculty and students are being provided currently at various locations within Penn State Library.

General tours, class orientation sessions, up-division and graduate level library instruction, and orientation sessions in agricultural and biological sciences are being offered.

General tours for graduate students begin in the Reference Room on the first floor of East Palace. Two daily sessions are available Monday and Tuesday, Dec. 8-7, at 9:30 a.m. and 1:00 p.m.

Library instruction for up-division and graduate level classes on library resources relevant to each class is also available from the Reference Department. Arrangements for class visits may be made by calling Joan Lee, Reference Department, 865-3465.

The Agricultural and Biological Sciences Library is also offering an orientation program for new faculty and students today and tomorrow. The hour-long sessions will begin each day at 10:00 a.m. and 1:30 p.m. Individual and class arrangements may be made by visiting Vladimir Mucile, at 865-7558.

A schedule of operations of the University Libraries has been announced for future weeks. From now until Dec. 19, the Libraries will be open Monday through Friday from 7:45 a.m. to midnight; Saturday, 7:45 a.m. to 5 p.m.; Sunday, 1 p.m. to midnight. The hours will be 7:45 a.m. to 5 p.m.

Dec. 22-28, closed.

Dec. 29-30, closed.

Dec. 31, 7:45 a.m. to 5 p.m.

Jan. 1, closed.

Jan. 2, 7:45 a.m. to 5 p.m.

Jan. 3-March 2, regular hours of Monday-Friday, 7:45 a.m. to midnight; Saturday, 7:45 a.m. to 5 p.m.; Sunday, 1 p.m.-midnight.

NEWS

(Continued from page one)

SPACE EXHIBIT

The works of 38 architecture undergraduate students are featured in an exhibit, "Space," which is currently on display in the Sackett Building (gallery hours 8 a.m. to 5 p.m.). Each Wednesday, at noon, a slide presentation is given of the mathematical models used in the design programs the students worked with and a videotaped visualization is presented through computer graphics. The spatial models were developed in a course taught by Howard Lawrence, assistant professor of architecture.

LONDON BUS

The London Bus, which makes periodic guided tours of the University Park Campus, will operate on a very much decreased schedule during the winter. Until December 19, the bus will leave from the Hetzel Union Building Monday through Friday at 12:45 p.m. Beginning Friday, January 4, no scheduled tours will be provided Monday through Thursday, each Friday, however, until Feb. 22, a tour will be held starting at 12:45 p.m. from the HUB. A new schedule will be followed in Spring Term.

Staff vacancies

To make application for the vacancies listed below call 865-1387 (Network 475-1387) no later than:

5 P.M., THURSDAY, DECEMBER 13, 1973
COMPUTER OPERATOR
INTER-COLLEGE RESEARCH PROGRAM
University Park

Responsible for operation of computer console and input/output equipment; process computer jobs from submission by users to return to users, providing courteous service and maintaining efficiency for operations. Two years of college mathematics is required; familiarity with computer programming and operation of punched card equipment is desirable.

COORDINATOR, COMPUTER CENTER

Capitol Campus
Responsible to the Assistant Professor/Principal Assistant, Management Information Systems, for the effective and efficient operation of the Capitol Campus computer center. Recruit, train and supervise the computer center employees; assist faculty with program design; develop software and program; coordinate Campus computer work with University Park locations, etc. Bachelor's degree in Computer Science or equivalent to four years of college-level training with organized training in IBM basic computer systems, plus over one year of experience in including two years of effective experience.

MANAGER, AUDITORIUMS

UNIVERSITY ARTS SERVICE

University Park

Responsible for the general management and administrative of the University Auditoriums, including facilities, equipment, tickets, security personnel, public relations, budgets, scheduling and related activities. Master's degree or equivalent, with three to four years' experience in the technical, financial and administrative activities in the management of art, theatre, and auditorium facilities are desired.



The University Choirs and Symphony Orchestra in program Saturday, Dec. 15, at 8:30 p.m., in Schwab Auditorium.

Music in season, five programs planned

Five major music events are scheduled for Dec. 12-18, just before the Christmas break in classes. The first is the recital by the Alard String Quartet, Wednesday,

Dec. 12, at 8:30 p.m. in the Music Bldg. recital hall, featuring works by Charles Ives and Debussy.

Second of the new term's programs will be by the University Choirs and the University Symphony Orchestra, Saturday, Dec. 15, in Schwab Auditorium at 8:30 p.m. Raymond Brown, professor of music, will direct this program, which will consist of a performance of Ralph Vaughan Williams' "Hodie," with a choir of 250 voices and 90 instrumentalists. Tickets are required; they are free and will be distributed at the main floor of the Hetzel Union Building beginning Tuesday, Dec. 11, at 9 a.m., limited to two per person.

On Sunday, Dec. 16, the Penn State Glee Club and the Brass Choral will perform the annual Children's Christmas Concert, with familiar traditional Christmas songs and melodies. The performance is at 3:30 p.m. in the Music Building recital hall.

On Monday and Tuesday, Dec. 17 and 18, the Orchestral portion of Handel's "Messiah" will be performed by the Pennsylvania Vocal Ensemble and Musica da Camera, at 8:30 p.m. in the Music Building recital hall. The Vocal Ensemble is composed of students, faculty, and area residents, and Musica da Camera is the University chamber orchestra.

Death

Dr. Robert T. Brown, assistant professor of engineering at Capitol Campus, died Nov. 25 as the result of an automobile accident in Hershey, near his home. He was 43. A member of the Capitol faculty since 1970, he had previously served at Southern Methodist University. From 1951 to 1967 he was a pilot with the U.S. Air Force. He obtained both bachelor's and master's degrees at the University of Oklahoma, where he also served as special instructor in electrical engineering; his doctor's degree in electrical engineering was conferred by Southern Methodist. He was the author of many professional publications.

Funding Opportunities

For more information, call 865-1372 (ext. 7) noted below, and refer to the item by its number and the general information provided. People with grants information for dissemination in this column should call the same number.

December 6, 1973

(106-17) The Office of Education has set Dec. 15, 1973, as the closing date for proposals for the Adult Education "Special Projects" and "Teacher Education Projects." The final application date remains Jan. 21, 1974. Research funded under Special Projects should have the goal of strengthening ongoing state adult basic education programs through new teaching methods, programs, techniques, and operational and administrative systems. Teacher Education Programs are to provide training for personnel involved or preparing to work in adult education.

(108-3) Applications for contracts or grants are being accepted by the Office of Education (OE) under the Civil Rights Act for projects of technical assistance, training institutions, and employment of advisory specialists in connection with plans or programs for the desegregation of public elementary and secondary schools. The deadline for receipt of applications for contracts or grant awards is Dec. 26, 1973. Awards will be announced about Feb. 8, 1974. Also in the area of minority projects, but under the Emergency School Aid Act, OE announces applications for grants for four program areas: (1) Basic grants or contracts, pilot projects, and public or nonprofit private projects (Dec. 26, 1973); (2) Bilingual education projects (Dec. 26, 1973); (3) Educational television projects (Feb. 15, 1974); and (4) Special Reading Projects (Feb. 15, 1974). Research under these programs may assist in the elimination, reduction, or prevention of minority group isolation.

(108-3) The National Science Foundation under its Experimental R&O Incentive Program an-

nounces a Medical Instrumentation Experiment. The current experiment deals with sonographic instruments for producing high-quality images of internal tissues and organs. The project has as its objectives: (1) a current state of the art summary; (2) instrument specifications for production within two years; and (3) a pilot study of a second-generation capability. The incentive package to be tested includes: (1) a target specification for firms to achieve; (2) review conference with the sponsor; (3) a list of technical changes recommended; (4) final specification; (5) a clinical validation program; (6) submission of developmental models; and (7) clinical evaluation by hospitals. There will also be a Request for Proposal used for a baseline study of the historical experience in introducing diagnostic medical equipment. The experimental announcement will be released soon (NSF 73-64).

(104-6) The Atomic Energy Commission finances Nuclear Sciences and Engineering Programs administered by NORCUS (The Northwest College and University Association for Science, Richmond, Washington) including Student Traineeships, Thesis Participants, Laboratory Graduate Programs, and Faculty Appointments. Application forms and additional information are available from NORCUS, 103 Spruill Road, Richmond, Washington 98305. Deadlines for receipt of completed applications: Jan. 15, 1974.

(104-6) A new program of fellowship training at the doctoral level in biomedical sciences is being supported in FY1974 by the National Institutes of Health. Awards will be made for advanced training in research in specified shortage areas in biomedical and health-related sciences. The basic stipend will be \$10,000 per year with no dependency allowances. The institution will receive up to \$3,000. There will also be a small number of institutional research fellowships at the

Honors

Dr. Eugene N. Borza, associate professor of history, received the Class of 1933 Award for Outstanding Contributions in the Field of Humanities last week.

Established in 1962, the award, consisting of a plaque and \$300, was presented by Dr. Arthur O. Lewis, assistant dean of the College of the Liberal Arts.

Dr. Borza joined the faculty of the University in 1964. A popular lecturer, he is the author of several articles on Greek history. "Travel and Communications: Classical Times" and "The Impact Alexander the Great" which was recently published by Dryden Press.

In addition to continuing his research on ancient travel and Alexander, he is working on determining problems of continuity and discontinuity in Greek history from antiquity to the present.

Dr. Robert F. Barnes, adjunct professor of agronomy and agronomist of the U.S. D.A. Regional Pasture Research Laboratory, has been named a Fellow of the American Society of Agronomy. Earlier this year he received the Merit Certificate of the American Forage and Grassland Council and in 1970 was given a certificate of recognition for outstanding research in forages by the Indiana Forage Council.

Dr. John L. Lumley, professor of aerospace engineering, was elected Fellow of the American Physical Society recently. He is currently on leave as a Fulbright Senior Lecturer at the University of Liege, Belgium, and as a Guggenheim Fellow at the Ecole Centrale de Lyon and the University of Aix-Marseille.

Dr. Joseph V. Intorre, associate professor of safety education and chairman of the safety education program in the College of Education, has been installed as president of the American Academy of Safety Education for the year. The Academy advises various professional groups concerned with the advancement of safety education. It also recognizes individuals who have contributed in an outstanding manner to the cause of safety education.

Charles H. Ness, librarian and assistant director of Public Services of the University Libraries, has been elected vice-president and president-elect of the Pennsylvania Library Association. At the meeting of the Middle Atlantic Regional Library Federation in Atlantic City, Richard J. Fil Simmons, assistant librarian and head of the Worthington Scranton Campus Library, was also elected second vice-president of the PLA.

postdoctoral level where a critical need is demonstrated. For applications and additional information contact: Office of Research Management, Division of Research Grants, NIH, Bethesda, Md. 20892. (108-6) NATO Senior Fellowships in Science for people five or more years of teaching and research are offered by the National Science Foundation. Tenure overseas is normally 3 to 6 months, travel grants, plus \$200 daily subsistence allowance, are provided. Write to NSF, Office of Higher Education, Washington, D.C. 20555 for application forms, which must be submitted before Jan. 31, 1974.

(Several other "study abroad" programs are available, including research fellowships in the U.S. and abroad; research grants at study institutions.)

(108-7) Smithsonian predoctoral and postdoctoral fellowships in the fields of biology, sciences, anthropology, American history, and material culture, earth sciences, and history of science technology should be applied for, please Jan. 15, 1974. Management Office in the Smithsonian Office to Academic Studies, Washington, D.C. 20560. Postdoctoral candidates receive \$10,000/year; doctoral candidates, \$5,000/year. Two to three awards (\$100,000 in total) to younger graduate students seeking directed research and work experience in some of the fields previously mentioned. Research grants are available to postdoctoral fellows and geophysicists who wish to work at the Smithsonian Astrophysical Observatory's observatory at 60 Garden St., Cambridge, Mass. 02138. (108-7) DEADLINE DATE: Jan. 15, 1974. Dec. 15 and several subsequent for NEA Young Arts Program (Nov. 29 INTERCOM 107-1). Jan. 15 for NEA National Theme. City Opera grants (June 14 INTERCOM 28-1). Jan. 22 for NSF Service Division in Metropolitan Areas (Nov. 8 INTERCOM 410-1). Jan. 24 for National Governmental and International Studies (Nov. 21 INTERCOM 2108-4). Reminder for NSF Assistant in Higher Education Program, Educational Policy Restructuring program (Nov. 15 INTERCOM 2108-2 and 108-2).

PENN STATE intercom

Volume 3, Number 15

December 13, 1973

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the cless schedule

Investment plan

Approaching a new calendar year is a time when many people begin thinking about income taxes, and how to reduce them legally. One method is available to faculty and staff members through a tax deferred annuity plan sponsored by the University. Here's how it works to the advantage of many.

A provision of the Federal Income tax law gives employees of certain tax-exempt, non-profit organizations such as Penn State the opportunity to obtain a special current tax benefit under certain circumstances. All full-time regular employees of the University are eligible to participate. When an employee decides to enroll in the plan, he or she elects the amount of a monthly premium (not less than \$40.00) and this amount is not considered or treated as current income for tax purposes. The dollars being saved are then used to purchase a retirement annuity. The net result is a unique opportunity for employees to accumulate a fund for their future security with before tax dollars.

The fund being accumulated may also grow faster than ordinary savings or investments since earnings on the invested money are not subject to current annual taxes. It should be remembered that if the money is withdrawn in a lump sum or

(Continued on page two)

News in Brief

COMPUTATION CENTER SEMINARS

The Computation Center would like to receive suggestions to help set up a series of seminars during the Winter Term.

Several possible topics are: (1) Introduction: Hardware and Basic Concepts of the Operating System, (2) Job Control Language, (3) Library Programs and Facilities, (4) STPAC-Computation Center Statistical Routines, (5) SPSS-Statistical Package for Social Sciences, (6) Computer

Graphics-Overview, (7) Computer Graphics-Static, (8) Computer Graphics-Dynamic, (9) 1970 Census Data Programs, (10) Penn State Remote Job Entry/BAT File System, and (11) APL.

Anyone Interested in these or other suggested topics is requested to contact Mrs. Rosemary Hallenbeck, 863-0422, Room 214 Computer Building, so that sessions may be scheduled at a time most convenient to participants.

COMET WATCH

The Department of Astronomy, assisted by the Penn State Astronomy Club, will hold

"Comet-watch" Open House programs from 5:00 a.m. to 7:00 a.m. Saturday, Dec. 15, weather permitting, and from 5:00 p.m. to 7:00 p.m. Saturdays during January.

"Comet-watch" sessions will be held in the student observatory atop Davey Laboratory on campus. Visitors will be able to see the comet through binoculars in December and through binoculars and telescopes in January, when it will have circled the sun and become visible in the evening sky just after sunset.

The comet-watch program is open to

(Continued on page two)

Philosophy department observes 50th year

The 50th anniversary of the founding of Penn State's Department of Philosophy will be celebrated at a dinner on Monday, Dec. 17, at the Nittany Lion Inn.

The speaker will be Dr. Paul Weiss, professor of philosophy at Catholic University of America.

The invitational dinner will be attended by faculty members of the Department and its graduate students, along with representatives of the University administration. President John W. Oswald will offer some remarks.

Although philosophy courses were first added to the curriculum of what was then The Pennsylvania State College in 1896,

the Department itself came into being in 1923, points out Dr. Carl R. Hausman, the present head.

At that time, the Department of Education and Psychology was transferred from Liberal Arts to the School of Education and was replaced by the Department of Philosophy. Its faculty consisted of Erwin W. Runkle, who served not only as head but also as Librarian of the Carnegie Library, and Ray H. Dotterer.

Between them, they offered seven undergraduate and seven graduate courses.

Since its founding, the Department has awarded 125 master's degrees and 42 doctorates.

Penn State's founders appreciated the values of philosophy, Dr. Hausman notes. As far back as 1859, when the University was known as The Farmer's High School and offered only one curriculum in scientific agriculture, they called for students to acquire a sound education and broad knowledge which would include "moral and intellectual philosophy."

"I am pleased, Dr. Hausman says, "that our department can commemorate its 50 years of existence. Our dinner serves as an occasion to reaffirm our mission as a discipline as well as our commitment to supporting various curricula within the University."

Even though it was one of the milder presentations at Stanford conference

Aspaturian draws ire of Soviet journal for paper on international relations

His views on the roles the Soviet Union, China and the United States will play in the seventies have drawn an attack on Dr. Vernon V. Aspaturian in "Literaturnaya gazeta," the leading Soviet intellectual journal.

An eight-column headline, "Prophecies of Mister Aspaturian: Out of Step with the Times," introduces an analysis by Ernst Genri of an article by the Penn State political scientist which appeared in the British journal "Survey" last Spring.

The Soviet article appears in the Oct. 3 issue of "Literaturnaya gazeta." Dr. Aspaturian, research professor of political science, is director of the Slavic and Soviet Studies Center. A member of the faculty since 1952, he is internationally known as a scholar in the area of Soviet politics and foreign policy and international and comparative politics.

Ernst Genri is the pseudonym for a prominent Soviet commentator on world affairs who is close to the inner circles of power in the Kremlin and is usually assigned the task of aiming his intercontinental literary missiles at Western and Chinese views of Soviet policy that the Soviet leaders feel may be influential in shaping attitudes and responses to Soviet behavior or express the views of "influential circles" in Western capitals or Peking.

In his article, Dr. Aspaturian suggested that "new balances struck between domestic and foreign policies will result in less foreign policy activity on the part of Moscow and Washington and more on the part of . . . China and to a lesser degree, Japan and West Germany. Among the first casualties of the 1970s will be messianic foreign policies and 'global strategies' as the US and USSR reduce their commitments to China and the other states expand their foreign policy horizons."

Discussing China, Dr. Aspaturian noted



Dr. V. V. Aspaturian

that during the coming decade she will decide whether to become an authentic global power or to limit herself to assuming a dominant role in East Asia. It was his next sentences which drew the ire of "Literaturnaya gazeta," which quotes them: "What does seem clear, however, is that China does not intend, in the near future, to develop a missile capability that could reach the continental United States . . . and will instead concentrate on strengthening both her conventional capabilities and building up her stockpile of thermonuclear warheads, short-range and intermediate-range missiles, sufficient to deal with the Soviet Union, Japan, and India . . ."

"As China's power and capability grow, the threat to the Soviet Union's eastern marches will be correspondingly increased. It appears clear that Peking is determined to arrest, diminish, and perhaps even reverse the Soviet presence in East Asia although a full-fledged confrontation may not develop in the 1970s . . ."

"The rapprochement (of the United States, e.g.) with China leaves Peking free to concentrate its fire on Moscow . . . The Chinese have already thrown out many hints of possible cooperation with both Japan and Western Europe."

Soviet policy makers, as represented by Genri, did not care for this analysis by "Mister professor," as they referred to Dr. Aspaturian, attacking it as being contrary to the spirit of détente.

"The playing off of one continent against another is not detente but the potential deepening of international conflicts," Genri states. "But one must take into account that over the ocean — although not only there — there are people who place their cards on just such politics."

"Of course, speaking about the plan of the Maoist leaders 'to concentrate their fire on Moscow,' Mister Aspaturian pretends that he is simply engaged in disinterested research of political perspectives. But it's far from that. The wish of the professor is clearly the father to the

thought. Behind the research' here distinctly appears a political calculation. And Mister Aspaturian is not alone in this in the USA today."

Fearing perhaps that Professor Aspaturian's analysis might persuade "naive" readers by its appeal for greater cooperation between the Soviet Union and the United States, Genri writes that "in the beginning it seems that in the opinion of Mister Aspaturian, all will be well and peaceful." He goes on to say that "if the author of the article . . . had devoted it to scientific proof that all this is now not a rosy dream but a matter completely attainable for the present generation, then we would have applauded the Professor from Philadelphia."

(Continued on page two)



Dr. Vernon V. Aspaturian, research professor of political science, is "out of step with the times" says the October 3 issue of the "Literaturnaya gazeta," leading Soviet intellectual journal. Cover for the unpopularity on the part of Soviet commentator Ernst Genri is a paper Dr. Aspaturian gave at Stanford University in a conference on Soviet foreign policy.



Roy T. Snyder, in the middle between Dean James M. Beattie and Associate Dean Thomas F. King of the College of Agriculture, is county Agricultural Extension representative (county agent) for Perry County, a position he has held since 1953; previously he was assistant county agent. A 1946 Penn State graduate in dairy husbandry, he joined the Extension staff immediately after graduation. Born in Lima, near Reading, Snyder was a pilot and instructor in the U.S. Army Air Corps in 1943-45.



Dr. Peter O. Pfah, associate professor of floriculture (second from right) received 25 Year Service Award certificate from College of Agriculture Dean Dr. James M. Beattie, with Dr. Pfah's wife, Edythe, and new Horticulture Department head Dr. D. William Hepler as part of the ceremony. A Pittsburgh native, Pfah was graduated from Penn State in 1942 and served in the U.S. Army until taking a job in a florist shop in Pittsburgh and entering Ohio State on a research fellowship. He received his master's degree from Ohio State in 1948 and returned to Penn State as instructor in floriculture. He received his Ph.D. from Penn State in floriculture and was named assistant professor. In 1965 he was promoted to associate professor. He has taught general floriculture, flower arranging, greenhouse production, retail florist design, and flower judging courses, and has served as coach of the flower judging team for many years. He is author of a book on retail floral shop management.



Dr. Alfred L. Borries, right with Dean Beattie, has been professor and head of the veterinary science department since 1953, when the department was organized. He came here in 1943 from Michigan State University where he served as instructor and assistant professor of microbiology from 1941 to 1942. Although born in New Hampshire, he attended high school in Pennsylvania and was graduated from Penn State in dairy science in 1939. He obtained a master's degree in safety nutrition and O.V.M. degree at Michigan State.



A. Roger Groat, professor of epicultural engineering extension, joined the Agricultural Extension staff in July, 1948 as assistant county agent at large, coming here from Cornell University. In 1953, he was named instructor in an engineering extension, assistant professor in 1964, associate professor in 1967, and professor this year. A Cornell Graduate in 1948 he received a master's degree from Penn State in 1952 in farm management. With him and Dr. Beattie is Duran S. Horne, also professor of ag engineering extension.

Service Awards in Agriculture



A. Kermil Dirth, professor of agricultural economics extension, second from left above, is a 1942 Penn State graduate in agricultural education. He taught in high school vocational agricultural programs before and after U.S. Navy service in 1944-1946, joining the Ag Extension staff as instructor in 1946. A year later he received his master's degree in agricultural economics. He was named assistant professor in 1953 and full professor in 1972. He is well known throughout the State for his expertise in poultry marketing.

ASPATURIAN —

(Continued from page one)

After mislocating Professor Aspaturian in Philadelphia and confusing Penn State with Penn, he soothingly assures his readers that "Such professors are necessary now and will be necessary tomorrow," and then recalls "that in Philadelphia there lived and worked a great American by the name of Benjamin Franklin who dreamed about a peaceful, just life for all Americans (but) unfortunately we are forced to be disillusioned. Continuing to read the article, we find that Mr. Aspaturian is not at all like Benjamin Franklin. "The new world order" which he foresees in the 70s is not at all like that which the reader might have imagined in the beginning from his words."

Thereupon Genrl (in a translation supplied by Dr. Thomas F. Wagner, associate dean for research in the College of the Liberal Arts) turns his attention to a place in the August "Reader's Digest" by Joseph Alsop titled "Will Russia Attack China?" This article predicts "that there are at least 25 chances out of 100" that the Soviets will loose a nuclear strike against China. "The picture of the future which Alsop would like to see is clear," the Soviet journalist continues. "Asia enveloped in flames! A World storm far from America! The thought is in essence the same as that of Professor Aspaturian. . . ."

At it concludes: "The trouble with Vernon D. Aspaturian and Joseph Alsop lies in the fact that such people simply cannot imagine a world without 'cold' and 'hot' wars, a land without catastrophes, mankind without atomic bombs . . . Alsop, Aspaturian and those who are with them or behind their back, live on ideas of the past. They are always with immense ardor conjuring up newer and newer 'systems' of world catastrophes, newer and newer schemes of international collisions, and only then, when they have thought them up, do they feel normal."

"The cold war" leaves much less behind it. But it's good that the keys to the fate of the world in our time are at least

not in the hands of Mister Vernon D. Aspaturian and Mister Joseph Alsop."

"The paper from which this article was taken," Dr. Aspaturian explains, "was originally presented at a conference on Soviet Foreign Policy in the Seventies sponsored by Stanford University's Center for Russian and East European Studies. It actually was one of the most moderate and mildest of the papers presented there, but the more vicious attacks were ignored by the Russians. I think that's why I was singled out. The Soviets were afraid my paper might be too appealing and plausible to Soviet readers and sympathizers."

Indeed, Genrl's attack is more important for what it omitted commenting upon in Professor Aspaturian's article than for the quotations torn out of context. At the end of his report, Dr. Aspaturian suggested that it was necessary to "construct a more durable and positive international order than one based upon mutual detestation, detente and 'peaceful co-existence' . . . one founded on a new trans-ideological consensus in which different social and ideological systems could interact and cooperate, rather than function as competitors and adversaries."

Professor Aspaturian urged that the United States "unilaterally abandon its competitive stance in dealing with Moscow and . . . exercise self-restraint in its sermonizing and moralizing about the evils of Communism and gloating over Soviet political ineptness and economic failures."

The Penn State professor further warned that a "frontal attack" demanding that the Soviets "open up" their country in return for U.S. economic assistance, "will serve to reinforce the suspicions of the Soviet leaders who interpret . . . the interpretation of ideas as devices for undermining and weakening the communist system." Because "there are too many glaring weaknesses and obvious malfunctions in Soviet society for the Soviet leaders to risk the importation of competing ideas or to allow the expression of dissident and critical views on the part of its own citizens."

Dr. Aspaturian suggested that instead of demanding the Soviets "open up" their country to foreign ideas in return for U.S. assistance, we would be more likely to "open up" the Soviet system by assisting in its efficient operation. He noted:

"Only when the Soviet leaders are convinced that the United States is not interested in undermining or weakening its domestic structures and institutions will they give serious attention to the relaxation of ideological controls. The recent gain deal with Moscow is an illustration of this process; a 'cold war' response would have been to give wide publicity to Soviet agricultural difficulties and refusal to sell grain

in order to aggravate the situation."

In his concluding remarks, Professor Aspaturian suggested that "the United States should strive to help the Soviet system work, assisting it with its technological and economic difficulties rather than hoping and waiting for the system to collapse." The Soviet Union, he adds, "might eventually wish to reciprocate, thus providing a more profound sense of security than that provided by a nuclear stalemate and mutual exhaustion alone," and thus "the Soviet leaders would have less fear from foreign ideas or the dissident views of their own citizens."

Scholarship funds memorialize two

Two scholarship funds have been established memorializing faculty members.

The Darrell E. Walker Memorial Scholarship fund honors the late head of the Department of Horticulture who died July 7, 1973. The fund will aid full-time undergraduate students majoring in horticulture.

Dr. Walker was a member of the faculty for 19 years, appointed as assistant professor in 1954. He became professor of plant breeding and head of the department of horticulture in 1963.

A scholarship has been established to commemorate the late Harold I. Tarpley, who served in the department of electrical engineering for 41 years.

INVESTMENT —

(Continued from page one)

as monthly income, the entire amount becomes ordinary income in that year and would be subject to tax.

Since January will begin a new tax year, it would be advantageous for interested employees to enroll in the tax deferred annuity program as early in the tax year as possible. Application forms and other printed material are available in the Employee Benefits Division, 133 Willard Building. When an employee enrolls on or

The Harold I. Tarpley Memorial Scholarship will aid and recognize electrical engineering undergraduate students who have completed at least two years of study with superior academic records and have a need for funds for college expenses.

The initial principal of the fund will be provided by the families of Mrs. Harold I. Tarpley and Dr. Harold I. Tarpley, Jr., and additional contributions may be made to the Penn State Foundation by other interested individuals and groups.

Prof. Tarpley retired from the University in 1964 as professor emeritus of electrical engineering and returned to his native Kansas, where he lived until his death in August.

before the 20th of a given month, the plan goes into effect the first of the following month.

Although many different companies offer tax deferred annuities, the University program is offered through the Teachers Insurance and Annuity Association (TIAA) and the Equitable Life Assurance Society. Studies have proven that these highly reputable and financially sound companies provide plans as competitive in their benefits as any other being offered in today's annuity market.

Ice skating urged as therapy

You're skating on thin ice if you tell Kurt Oppelt, instructor in physical education, that swimming, weightlifting or some other exercise is the best therapy for sports lovers.

For many years Oppelt has been telling the world that the best way for many disabled people to traverse the road to recovery is on ice skates. Not only is ice skating beneficial to those recovering from serious accidents and illnesses, he claims; it is of great help to children who are physically or mentally handicapped. And the elderly, too, can reap the benefits of skating.

"There are many values of ice skating such as the development of organic strength and vitality, improvement of circulation, more flexible joints and muscles, increased breathing capacity, better body control and balance, and an improved posture," explains Oppelt, a native of Austria. He says no other sport can incorporate so many benefits into a single exercise.

And who should know better about the rehabilitative features of ice skating?

As a two-and-a-half-year-old child in Vienna, Oppelt was introduced to ice skating to help relieve a bronchial condition. Then, at age 14, he broke a kneecap in a skiing accident and intensified his skating regimen at a local club in hopes of regaining strength in the knee. Not only did he build up the knee, he became a superb skater in the process.

It wasn't long before Oppelt was internationally recognized as one of the world's top figure skaters. In 1956, he and partner Sissy Schwarz won the Olympic gold medal as the world's best figure skating tandem, as well as Austrian, European and World titles.

"If I hadn't injured my knee, I probably would never have gone into figure skating," Oppelt comments. "I liked skiing more."

Besides the physical benefits of skating, there are equally effective psychological benefits, Oppelt is convinced.

"Psychologically speaking," he says, "skills present challenge; developed skills carry over. And skating is fun and builds self-confidence through success."

"Skating also has socializing values, and the performance of good maneuvers or skills, moving along on one's own power, makes changes in thinking and helps overcome bad habits and ill feelings."

For five years now, Oppelt has conducted instructional programs at the University Ice Pavilion for physically and mentally handicapped children. Along with student volunteers and helpers from local service organizations who assist the children, Oppelt meets with the classes in

weekly sessions. He is the first man in the country to offer such group instruction. But Oppelt, who has been at Penn State six years, reports that such programs are scarce — a situation he has set out to correct.

He has travelled throughout the United States and Europe in efforts to encourage the implementation of programs which will offer group ice skating instruction to the handicapped. He has also written numerous articles on the therapeutic aspects of skating and has established a method of teaching the handicapped and beginners.

Doctors, Oppelt says, often suggest to patients recovering from automobile accidents, falls, heart attacks and other disabling maladies that ice skating might help them. "Alas, there are extremely few instructors who know how to supervise a rehabilitative ice skating program. Most 'ice skating therapy,' then, is self-administered."

The highlight of Oppelt's crusade to establish training programs for instructors came in early November at Penn State when, for the first time, a clinic was held to train people to conduct ice skating programs for the handicapped. Fifty people from 12 states, including physical educators, physical and recreational therapists, ice skating professionals, and rink managers met here for the two-day clinic. The affair was held as a continuing education offering of the College of Health, Physical Education and Recreation.

Another breakthrough came when Oppelt, the Joseph P. Kennedy, Jr., Foundation and the Ice Skating Institute of America announced plans to sponsor an upcoming "Special Olympics" in ice skating for the retarded. Oppelt, who came to the United States in 1961 to join President John F. Kennedy's physical fitness program, is the chairman of the Kennedy Foundation committee of the ISIA.

Teaching skating to the handicapped is a rewarding experience for Oppelt, who is conducting several research projects in this field.

"The first maneuvers that the children need to learn are walking and gliding on the ice," he explains. "Once they have mastered these, first in rubber-soled shoes, then on skates, most of their fears are conquered."

After this period of confidence building, games and contests are added to the program.

"The competitive factor helps the child forget his handicap and concentrate on the goal of the contest," says Oppelt. "He inadvertently begins to move under his own power and begins to skate."

As might be expected, there are some



Kurt Oppelt, instructor in physical education and former Olympic ice skating champion, has turned his talents to helping disabled and retarded youngsters through ice skating. He is involved nationally in the effort to train more ice skating teachers for special problems.

who think that skating could be too dangerous for a handicapped person since, as we all know, falls are a common part of the learning process. Oppelt admits that the student might, indeed, take a few spills. But very few falls and no injuries have occurred in the clinic. The psychological benefits of a handicapped person "getting back up and staying up" are tremendous, Oppelt adds.

Oppelt makes no claim that skating is a panacea or that it will be helpful in all cases. But he adds, "I really believe that skating can help overcome many pupils' ailments."

The instruction is so important, he emphasizes, that only trained instructors can make the difference between a smooth or rocky road to recovery.

"My experiences have taught me that an effective program for handicapped children depends on a reasonable series of goals tailored to the capabilities of each child and the instructor's ability to make skating the most enjoyable experience in the handicapped child's life," says Oppelt.

"Once I have brought a student as far as forgetting his handicap, if even for a moment, I know he's on the road to rehabilitation. And what's more, he's having fun. And this feeling is the same for beginners of all ages."

SENATE REPORTS

The University Faculty Senate will distribute in mid-January to all members of the faculty copies of reports of its Ad Hoc Committee to Study the Implications of Collective Bargaining for Faculty Governance, from the earliest report in the August, 1973, meeting to the meeting this week (Dec. 11), when the Committee's final report was issued.

Children's classes

Games and gymnastics classes for children of University faculty and staff members and of the surrounding community will be offered again by the College of Health, Physical Education and Recreation, in the White Building facility.

The classes will meet Tuesday afternoon, beginning January 3rd and continuing through February 21st from 4:00 p.m. to 5:30 p.m. Two sections will be scheduled, one for children in first and second grades and a separate section for those in grades three and four.

Those children registered during Fall term need only to call: White Building — 865-7331, Monday, December 17, or Tuesday, December 18 — 9:00 a.m.-11:00 a.m.; 1:00 p.m.-4:30 p.m. and give child's name and grade level.

New registrants may register at 105 White Building, Tuesday, December 18 — 9:00 a.m.-11:00 a.m. or 1:00 p.m.-4:30 p.m.

The number permitted for each class is limited and selection will be in order of registration, which must be done either by the child or by the parents, adults may not register a child of another family.

Staff vacancies

To make application for the vacancies listed below call 865-1383 (Network 475-1357) or later then:

5 P.M., THURSDAY, DECEMBER 20, 1973

COUNSELORS (3)

EDUCATIONAL OPPORTUNITY PROGRAM

STUDENT AFFAIRS

University Park

Responsible for providing various services to individual students to enable them to effectively adjust to University environment socially, personally and academically. A Master's degree in counseling, education, or equivalent, and related experience is directly related activity are desired.

POLICE SERVICE OFFICER

UNIVERSITY SAFETY

University Park

Responsible for carrying out the functions of protection of life and property, preservation of peace and good order of the community, enforcement of laws, public safety and investigative work. An Associate degree or equivalent in academic field with at least two years of law enforcement experience are desired.

ENGINEERING AIOE

COLLEGE OF ENGINEERING

University Park

Responsible for providing a variety of radiation analysis services to researchers working at the Breazeale Nuclear Reactor and the Nuclear Reactor Ray Facility. A Bachelor's degree in Physics or Chemistry in nuclear or medical technology with at least two years of related experience.

ASSISTANT PLANNING SPECIALIST

OFFICE OF BUDGET AND PLANNING

University Park

Responsible to the Division Head, or other designated supervisor, for assistance in the monitoring of University planning and analysis functions and for preparing special reports and studies assigned. A Master's degree, or equivalent, Business Administration, Higher Education, Economics, or Public Administration, and at least two months of effective experience in planning or analysis activities are preferred. Some knowledge of, and exposure to, University public affairs is desired.

PSYCHIATRIC SOCIAL WORKER

Hersey Medical Center

Responsible for serving as part of the mental health team in providing social work services to mentally and emotionally disturbed patients and their families. A Master's degree in Psychiatric Social Work, or equivalent, and over six months of related experience working in a chemical hospital setting are preferred.

STAFF NURSE

Worthington-Scranton

Responsible for providing nursing care to student body including the treatment of minor and temporary illnesses and accidents. Retirees and employees to a physician or nurse as necessary. Graduate of an accredited school of nursing and possess a current Pennsylvania license as a Registered Nurse. Public health experience or training desirable.

PROGRAMMER

MANAGEMENT SERVICE

University Park

Participate in analysis, program design, coding, documentation, and other programming tasks related to produce reports, make mathematical computations or maintain information files. Bachelor's degree or equivalent. Knowledge of generation computers and programming languages plus 1 to 2 years of effective programming experience is desired.

THE UNIVERSITY IS AN EQUAL OPPORTUNITY EMPLOYER

Applications for staff vacancies are considered without regard to race, color, creed, sex, or national origin.

NEWS —

(Continued from page one)

the public free of charge. Faculty or staff members may obtain required complimentary tickets at the department office, Room 525 Davey Laboratory, or by calling 865-0416. The general public may obtain tickets by writing to the department and enclosing a self-addressed, stamped envelope, noting the time period when it is desired to view the observatory.

HUB CHRISTMAS DINNER

The HUB Terrace Room Christmas Candlelight Dinner will be held Monday, Dec. 17, with service from 5 to 6:45 p.m. The Bellefonte High School Madrigal Chorus will provide music; the 25-piece group is directed by Vincent Nola. The menu for this dinner will include roast lamb with mint jelly; roast tip of beef; baked stuffed flounder; veal steak Parmigiana; and Planters' beef over noodles.

NAMED EDITOR

Dr. David S. Palermo, professor of psychology at the University, has been named editor of the national bimonthly "Journal of Experimental Child Psychology."

A member of the faculty since 1963, Dr. Palermo is also editor of "Child Development Abstracts and Bibliography" and a member of the editorial board of the "Journal of Verbal Learning and Verbal Behavior."



A very merry Christmas to you

Claire W. Oviatt, secretary to Dr. Harold J. O'Brien, associate dean for Commonwealth Campuses in the College of the Liberal Arts, helps us express our wishes for the Christmas season in a display on the College's Bulletin Board in Sparks Building. According to Dr. O'Brien, the display is an effort to "symbolize the bonds we try to keep established throughout the year," with the entire State. This is the last issue of INTERCOM for the year. The next issue will appear Jan. 3.

PENN STATE intercom

Volume 3, Number 16

January 3, 1974

An internal communications medium for the ecademic community of The Pennsylvania State University published weekly during the four terms of the class schedule

Selections made from among 31 original nominations

Six of faculty named Evan Pugh Professors under new program

Six members of the faculty have been appointed Evan Pugh Professors, effective January 1, 1974, President Oswald has announced. They are the first to be named under the new program approved by the Board of Trustees last June to replace and broaden the program of Evan Pugh Research Professorships that was initiated in 1960.

The six selected were from among 31 nominations made to a special Selection Committee which recommended ten faculty members for the President's final decision. The six are:

Dr. Vernon V. Asaturian, Evan Pugh Professor of Political Science.

Dr. John L. Lumley, Evan Pugh Professor of Aerospace Engineering.

Dr. Howard E. Morgan, Evan Pugh Professor of Physiology.

Dr. Richard R. Nelson, Evan Pugh Professor of Plant Pathology.

Dr. Philip S. Skell, Evan Pugh Professor of Chemistry.

Dr. Philip L. Walker, Evan Pugh Professor of Materials Science.

The professorships, which honor Dr. Evan Pugh, first president of the University, were granted to ten faculty members under the previous program over the period of 13 years. Four currently hold the title in addition to the six newly-appointed professors: Dr. Hans A. Panofsky, atmospheric sciences; Dr. Stuart Patton, agriculture; Dr. Erwin W. Mueller, physics; and Dr. John M. Anderson, philosophy. Drs. Panofsky and Patton were named in 1966, Mueller and Anderson in 1968.

The selection committee included, in addition to Drs. Patton, Panofsky, and Mueller, Dr. Paul T. Baker, anthropology; Dr. Barnes W. McCormick, aerospace engineering; Warren S. Smith, theatre arts; and Dr. John A. Waldhausen, surgery at the Milton S. Hershey Medical Center.

When the new program was approved by the Trustees, Dr. Russell E. Larson, Provost, explained that ultimately the number of professorships would be expanded to 15 to provide a "more realistic program for the recognition of outstanding professors."

The professors are to be selected from "candidates whose research publications or creative work or both have been of the highest quality over a period of time and further to candidates who show evidence of having contributed significantly to the education of students who later

achieve recognition, for excellence in the candidate's discipline or interdisciplinary area."

Dr. Asaturian, who is director of the Slavic and Soviet Studies Center, has been a member of the faculty since 1952, and served as visiting professor at Columbia University, U.C.L.A., the Johns Hopkins School of Advanced International Studies, the Graduate Institute of International Affairs in Geneva, and the Institute of Advanced Studies in Vienna. He is the author of "Process and Power in Soviet Foreign Policy," and is author and co-author of four other books, on Russian and European foreign policy and government. He has visited the Soviet Union and Eastern Europe on many occasions.

Dr. Lumley's field of specialization is turbulence, of a type found in fluids. He is director of the aerospace turbulence research group but is currently on leave as a Fulbright Senior Lecturer at the University of Liege, Belgium, and as a Guggenheim Fellow at the Ecole Centrale de Lyon and the University d'Aix-Marseille, France. The complexity and diversity of the field of turbulence is suggested by the fact that Dr. Lumley, with Dr. Winfried M. Phillips, assistant professor of aerospace engineering, and a graduate student, Steffen Deutsch, has been active in designing an instrument to measure the fundamental properties of particulate fluids, including blood. The National Science Foundation and the Office of Naval Research have provided funds for such projects as the study of small scale structure of atmospheric turbulence and of the phenomenon of the effect of additives in reducing drag in fluids. He is the author of "Stochastic Tools in Turbulence" and "A First Course in Turbulence." He came to Penn State in 1959 from Johns Hopkins, where he was a post-doctoral fellow for two years after receiving his Ph.D.

Dr. Morgan, one of the world's leading experts on the regulation of heart metabolism, is associate dean for research at the Hershey Medical Center. Appointed professor and chairman of the Department of Physiology in 1967, he came from the Vanderbilt University School of Medicine, where his research was concerned with the action of insulin, glucose and other hormones and chemical processes in the body. Some of his research was supported by the Howard Hughes Medical Institute,



V. V. ASATURIAN



J. L. LUMLEY



H. E. MORGAN



R. R. NELSON



P. S. SKELL



P. L. WALKER

and other studies by N.I.H. and the American Heart Association.

Dr. Nelson, editor of the recently published book, "Breeding Plants for Disease Resistance, Concepts and Applications," is known nationally for studies in genetics, the evolution of plant pathogens, disease resistance in plants, experiments with corn diseases and plant disease epidemics. A member of the faculty since 1966, he was elected a Fellow of the American Phytopathological Society in 1971 for his outstanding contributions to the science of plant pathology. He is currently on a six-month leave to do research and write, while at the University of California at Davis.

Dr. Skell is widely known for his research on the behavior of free atoms and free radicals, and for this research has had many honors, including both Guggenheim and N.S.F. post-doctoral fellowships. Not only has he trained many Ph.D. candidates but has also taught undergraduates at all

levels. A member of the faculty for 21 years, he came from the University of Portland. He is a frequent lecturer abroad as well as in this country; recently he was plenary lecturer at the Third International Symposium on Polyhalogen Compounds in Barcelona, Spain.

Dr. Philip Walker has been honored in many ways for his research on carbon, including receiving the Henry H. Storch Award of the American Chemical Society's Division of Fuel Chemistry and the George Skakel Memorial Award, an international honor given to those who have made contributions which have "significantly influenced the progress of science and technology of carbon materials." He came to Penn State in 1948 as a graduate assistant and in 1952 received his Ph.D. in fuel technology. During his tenure here he has authored more than 150 scientific and technical papers, helped to organize several significant congresses and was a national Sigma Xi lecturer.

News in brief

LONDON BUS

The guided tours of the University Park campus, which make use of the London Bus, will be carried out only on Fridays during the rest of the Winter Term and only at 12:45 p.m. The bus leaves from the HUB and makes a complete circle to the campus to point out the highlights of the campus facilities. A special guide accompanies the passengers to provide a running commentary.

PHOTOCOPY EQUIPMENT

The director of purchases, W. E. Buge, has announced a new procedure relative to the evaluation and/or purchase of photocopy equipment.

A department wishing new photocopy

equipment or an evaluation of its present equipment will contact the Purchasing Department (865-7561, Room 219 Shields). Purchasing will review the request and obtain the advice of Printing Service to evaluate the department's needs. All arrangements for demonstrations will be handled by Purchasing.

After review with the department on all aspects of the problem, a selection of the most appropriate equipment will be made to satisfy needs of the department and the University.

TRUSTEES CONFIRMED

Appointment to the Board of Trustees by Gov. Milton J. Shapp of Harry Boyer, of Reading, and re-appointment of William K. Ulerich, of Clearfield, were confirmed by the State Senate in mid-December. Ulerich was first named a trustee in 1951,

serving until 1956, and was re-appointed in 1964. Boyer, president of the Pennsylvania AFL-CIO since 1962, replaces Fletcher L. Byrom, of Pittsburgh.

TRAVEL FOLDER

A new supply of the four-page circular "Travel from Penn State" has been received and departments wishing to replenish their supply may call 865-2501 or write Dr. R. Schuckers, Room 304 Old Main. The folder describes the various methods of reaching Penn State from any direction, lists the University information telephone number, and provides other information for visitors.

AFRICAN SCULPTURES

An exhibit of African sculpture opens Sunday, Jan. 6, in Gallery A of the Museum of Art at the University. The show will

include 21 pieces selected from the Museum of Primitive Art, New York City, and the Permanent Collection of the University Museum, and from a private collection. The sculptures are primarily wood carvings ornamented with paints and other materials. Made by African tribesmen and natives, the figures are symbolic abstractions of human, animal, and mask forms. The show will continue through Feb. 3. Museum hours are noon to 5 p.m., every day but Monday.

CIVIL WAR PAPERS

James P. McNight, a 1921 graduate of the University, has presented to Pattee Library Civil War papers related to the 100th Pennsylvania "Roundhead" Regiment. The papers were collected by his

(Continued on page four)

Honors

Dr. C. Wayne Burnham, professor of geochemistry, recently assumed the presidency of the Geochemical Society, for 1974. He had previously held other posts in the society.

Paul W. E. Gehris, retired associate professor of general engineering at Berks Campus, has received the 1974 Award of Merit of the Society of Manufacturing Engineers. The award is given to recognize "the balanced contributions to the Society's professional activities and growth." The citation acknowledges Gehris' "unusual effort and dedication in service to his chapter, in adding the work of the SME National Committee and in contributing to the society's greater recognition and prestige with industry."

Leaves

Dr. Yoshio Fukuyama, professor of religious studies, is currently on a one-year leave of absence which will include seven months of service as a visiting professor of theology at The Doshisha University and as a research fellow of the Center for the Study of Japanese Religions in Kyoto, Japan. He will also do research in the humanistic and sociological dimensions of Japanese religion; he has been awarded a faculty research fellowship by the Institute for the Arts and Humanistic Studies for the purpose.

Appointments

Dr. Thomas M. Seebom, as professor of philosophy. Formerly professor at the University of Mainz, Germany, he was visiting associate professor at Penn State from 1970 to 1972 and has served as visiting professor at the University of Trier, Germany. His research has been concerned with hermeneutics, phenomenology, and the history of philosophy. His writings include two books, one on transcendental philosophy and another on hermeneutics. He is currently working on a book on logic.

Donald E. Evans, as instructor in agricultural education. He is a 1963 Penn State graduate in agricultural education and received a master of education degree in the same field. He is a D.Ed. candidate in vocational education. He has served as coordinator of the Altoona Area Vocational-Technical School and earlier had taught in the Bellwood-Antis School District and in the Upper Perkiomen district.

Dr. Stanley F. Gilman, as professor of architectural engineering. For the past two years he has served as manager of marketing, International, for American Air Filter Co., Louisville. In 1971-72, he was national president of the American Society of Heating, Refrigerating and Air Conditioning Engineers. He is a graduate of the University of Maine with a degree in mechanical engineering, and has an M.S. and Ph.D. from the University of Illinois, which has honored him with its Distinguished Alumnus award. He also taught, as assistant professor, at Illinois, and in industry has served in a variety of engineering management positions with Carrier Corp. and Climatrol Industries.

Arthur K. Anderson, Jr., as associate professor of architecture. He was a member of the faculty of the University of Miami from 1964 until coming here, serving during that period also as visiting professor at the University of Oregon. He is a 1956 graduate of Penn State, receiving an M.F.A. degree from Princeton University. He was an instructor at Penn State in 1960 and 1961, later working as a draftsman and architect with firms in Minnesota and Norway. He is the son of the late Dr. Arthur K. Anderson, professor of physiological chemistry, who served on the faculty for 32 years until his retirement in 1955.

Dr. David W. Arnett, as assistant professor of biomedical engineering. He was a post-doctoral fellow at California Institute of Technology, doing research in the neurophysiology of vision. He is a graduate of Purdue University with B.S. in electrical engineering and received an M.S. degree in biomedical engineering from the University of Pennsylvania. He received the Ph.D. degree from Cal Tech.

Program began with life insurance 42 years ago

Fringe benefits costs now total \$21 million annually

Fringe benefits, often forgotten until a large hospital bill arises or until children enroll at the University, represent a sizeable salary supplement for University faculty and staff members. They also are a major and growing item in the University budget.

This has not always been so. As a few of the more senior members of the University community will recall, in the early 'thirties there were no fringe benefits.

On April 1, 1932, a new group life insurance program for all full-time employees was announced, and the University was embarked on a long-term commitment to develop a socially responsible fringe benefits program.

Today, many would be hard put to list all the fringe benefits which have become so much a part of the employment picture. In addition to life insurance, retirement, and hospitalization, fringe benefits now properly include major medical insurance, accidental death insurance, social security, workmen's compensation insurance, educational privileges, dependent grants-in-aid, and various policies providing for vacation, sick leave, and other time off.

To carry out this program, the direct benefits costs to the University will total \$21.1 million this year; ten years ago, the cost was less than one-tenth that amount. This article, and others to follow, will examine the total benefits program, answering some questions you may already have raised, adding information that you may have known once but have since forgotten, and, it is hoped, providing an overall picture of how the University and faculty and staff members are working together to provide one of the outstanding benefits programs among the nation's educational institutions.

Rising Social Security Costs

One of the most important Federally-mandated fringe benefits is Social Security (Old Age and Survivors Insurance). In 1963-64, faculty and staff members and

the University each paid into the system at the rate of 3.625 per cent on all earnings up to \$4,800, or a maximum of \$174 each. The earnings base has been increased to \$13,200 for 1974 and will go even higher in future years. At the \$13,200 level, the contribution will be \$772.20 each for individuals at that salary level or above. The University will contribute an equal amount.

In total, the cost to the University for social security participation has risen from \$300,000 to approximately \$6.5 million since 1963-64. This is one of the "mandated" cost increases in the employee benefits program that result from changes or additions to the Federal law.

State Retirement

Most faculty and staff are members of the State Employees Retirement System and make contributions to the System at the rate of five per cent of their salary. The University also contributes to it, but at a rate that has been increasing in the last few years, from six per cent in 1971-72, to seven per cent in 1972-73, and eight per cent in 1973-74. Prior to 1971-72, "employees'" share of SERS was paid directly by the State and was not part of the University budget.

In the past decade, while retirement benefits have improved for many persons, the contributing rate for the individual in most cases has gone down (although the gross amount is larger because salaries have increased in the same period).

Group Insurance

The hospital and medical expense plan (UNICARE) and life insurance are examples of employee-employer financed programs. In the past decade, all have undergone significant changes to improve their relative value to the employee and/or his dependents. There have also been reductions in cost to the employee in that period.

For example, ten years ago the cost of hospitalization to the employee with full

family coverage was \$9.05 per month; it is now \$5.00 per month. The employee, insuring only himself under the plan, formerly contributed \$3.05 per month; now the University bears the full cost. As a result, the University is paying more of the shared cost and has also absorbed 100% of the increased premium costs charged by the insurance company. During the past ten years, the allowable benefits for various hospital and surgical charges have increased greatly. In 1963, allowing for daily room and board during hospital confinement was \$3. Today, under UNICARE, the first \$2,000 of hospital costs is covered completely, so for most illnesses, requiring hospital confinement, the employee's hospital charges are paid in full.

Under Major Medical, the total allowable lifetime benefit has been increased to \$100,000 (in 1963, the amount was only \$10,000) and changes in the rules make it now easier to qualify for a major medical benefit.

The amount of life insurance a faculty or staff member carries depends on his or her salary. The first \$3,000 of life insurance is provided entirely by the University at no cost to the employee (this provision was instituted in 1970).

The life insurance policy contains two provisions in addition to the normal death benefit: an accidental death and dismemberment provision which pays double the face amount of the policy in the event of accidental death and payment of up to \$20,000 in the event of a total and permanent disability.

Some idea of the costs involved in these insurance programs can be gained from these statistics: Group Hospitalization costs paid by the University have increased from \$1,151,967 in 1969-70 to \$3,233,681 in 1972-73; Group Life Insurance costs have risen from \$62,447 in 1969-70 to \$345,022 in 1972-73.

Workmen's Compensation and Unemployment Insurance

The University has, as required by state law, carried Workmen's Compensation Insurance for many years. The costs to the University depend on the gross salary payroll and the lost-time accident experience charges varying considerably from year to year. From the University's budget position, the increase in the total payroll has required an increase in Workmen's Compensation insurance costs from about \$53,500 in 1963-64 to about \$200,000 now.

On the other hand, Unemployment Compensation is a new program, mandated only two years ago when Federal legislation extended coverage to colleges and universities. During the fiscal years 1972-73, total of \$168,330.90 was paid out in claims and it appears that the amount in 1973-74 will be twice that amount.

Other Benefits

The benefits programs noted above all have quantitative and measurable effects on the University's budget; other programs involve costs that are not so easy to decipher.

For example, educational benefits for employees and dependents have undergone important changes in the last decade that are today taken for granted. The dependents of a deceased employee may continue to receive the dependent grant-in-aid benefit if enrolled at the University at a time period based on the employee's length of service prior to death.

Another change in the educational program provides partial tuition reimbursement for faculty and staff members located away from University Park who attend other institutions within reasonable commuting distance. These persons thereby receive educational benefits similar to those available to faculty and staff at University Park.

Other benefits changes in recent years have been made in vacation and sick leave, holidays, time off for death in family, and other policies related to personnel time off, all of which have added to University's costs in the overall.

All these benefits will be discussed in more detail in subsequent articles, with the purpose of answering some of the questions most frequently asked about the benefits.

In writing

Pennsylvanians could use some "consciousness raising" when it comes to their State heritage, says Dr. Philip S. Klein, professor emeritus of American history and co-author of the recent book, "A History of Pennsylvania."

The work, published by McGraw-Hill, Inc., was written with Dr. Ari Hoogenboom, a former Penn State faculty member now at Bryn Mawr College.

"Ask a Texan where he comes from, and he'll almost always say 'Texas,'" Dr. Klein continues. "But a Pennsylvanian is more likely to respond with the name of his home town."

In preparing their history of the Commonwealth, Dr. Klein and Dr. Hoogenboom drew on research contained in more than 500 unpublished doctoral theses written during the past decade. This hitherto unavailable information both confirms and changes some prior ideas people have held about Pennsylvania history.

"It confirms," Dr. Klein explains, "that the State is extremely diverse in its peoples, resources, and geography. It's a microcosm of a little of everything. It's also been a very democratic state in that pressures from its citizens are responded to quickly by the government."

"For its part, the Legislature, ever since early Colonial times, has always been able to hold a hammer over the Governor by refusing to supply tax funds, and this situation exists today."

The new research has affected the cherished concept of Pennsylvania as a melting pot for immigrants to this country, according to Dr. Klein. Within Pennsylvania at least, various ethnic groups have re-

tained their European traditions and associations, with the blessings of the State.

Again, while Pennsylvania has always been thought of as a one-party state — Democratic before the Civil War, Republican afterwards — the two professors found that because of local fragmentation, even the parties that succeeded were never certain of election.

"Boss rule existed, but it was never as firm as historians have assumed it to be," Dr. Klein continues. "The bosses continually had to compromise, and although they usually carried the day, the outcome was never a walk-off."

"Citizens who know their state's history feel part of an enterprise, that they share something with a group," Dr. Klein points out. "Part of the reason for our present tax picture is lack of identity."

"If your club or family asks you to contribute something to them, chances are you'll do it gladly. But when some group for which you have no feeling of belonging asks for money, you're probably going to be irritated."

"To be of real use in the national scene, a state must give its citizens a sense of belonging," Dr. Klein concludes, "and here is where a knowledge of history helps. A community, after all, is a collection of memories of its past. A knowledge of our history can help create the cohesiveness we need."

"Involvement in Sport: A Somatopsychic Rationale for Physical Activity," is a new book by Dr. Dorothy V. Harris, professor of physical education, published by Lea and Febiger, of Philadelphia. The positive influence sport may have on the psychological well-being and behavior of the individual is examined in the book, which is expected to be of interest to physical educators, students of physical education, and psychologists. Chapter headings include motivational factors influencing physical activity; aggression and sport, femininity and athletic involvement; and personality and involvement in physical activity.

Vol. 3, No. 16
January 3, 1974
Penn State INTERCOM is a weekly publication for the academic community of the Pennsylvania State University, published each Thursday. It contains news, news items, general information and items for the calendar should be sent to the editor by Tuesday of the week preceding publication date, Room 315 Old Main.
Editor: W. F. Ackerman Phone 865-5717

University Calendar

January 3-13, 1974

Special Events

Friday, Jan. 4 — Sports: Wrestling, vs. Yale, 8 p.m. Rec Hall.
Friday, Jan. 5 — Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.
Saturday, Jan. 5 — Artists Series, Tokyo String Quartet, 8:30 p.m., Schwab.
Saturday, Jan. 5 — Sports: Men's Gymnastics, vs. Springfield, 8 p.m.; Rec Hall; Wrestling, vs. Springfield, 2:30 p.m., Rec Hall.
Sunday, Jan. 6 — Black Christian Fellowship service, 11 a.m., Black Cultural Center.
Sunday, Jan. 6 — Chapel Service, 11 a.m., Eisenhower Chapel. Rev. Mac Sadorris, Methodist Campus Minister.
Sunday, Jan. 6 — Bruce Cockpock, cello, Teri Gemberling, piano, recital, 3 p.m., Music Bldg. recital hall.

Seminars

Thursday, Jan. 3 — Remote Sensing, 1 p.m., Room 225 Electrical Engineering West, L. E. Link, Jr., civil engineering graduate student, on "Remote Sensing Systems and their Application."
Thursday, Jan. 3 — Agronomy, 3:55 p.m., Room 301 Agri. Adm., Yankovich and P. Fletcher, on "Suitability of Flood Plain Soils for Sewage Disposal."
Thursday, Jan. 3 — Chemistry, 12:45 p.m., Room 310 Whitmore, Wayne Burnham, on "Thermodynamics of Silicate Melt-Water Systems."
Thursday, Jan. 3 — Physics, 3:35 p.m., Room 117 Osmond, John A. Tyson, Bell Telephone Laboratories, New Jersey, on "The Search for Weber Pulses: Bursts of Gravitational Radiation."

Films

Friday-Saturday, Jan. 4-5 — U.S.G., "Classic Shorts," 7:30 and 10 p.m., HUB ballroom.
Friday-Sunday, Jan. 4-6 — Centre Halls, "King Kong," 7:30 and 10 p.m., Room 102 Forum.
Wednesday, Jan. 9 — Commonsplace Theatre, "Yankee Doodle Dandy," 8 and 10 p.m., Room 102 Kern.
Thursday-Sunday, Jan. 10-13 — Arnold Air Society, "Super Fly," 7 and 9 p.m., Room 105 Forum.
Thursday-Sunday, Jan. 10-13 — Centre Halls, "Frigid Warm Connection," 7:30 and 10 p.m., Room 102 Forum.
Friday-Sunday, Jan. 11-13 — North Halls, "Two People," 7:30 and 9:30 p.m., Room 105 Forum.
Saturday, Jan. 12 — Free-U children's films, "Fun and Fancy Free," (Wall Disney) 12:30 and 2:30 p.m., HUB assembly room.

Funding Opportunities

For more information, call 865-1372 except where noted below, and refer to the item by its number and the general information provided. People with grants information for dissemination in this column should call the same number.

JANUARY 3, 1974
 (110-1) Studies and Experimental Projects Directed Toward Increasing the Participation of Ethnic Minority Group Members in Careers in Science are being supported by the National Science Foundation. The program seeks to identify and demonstrate effective models that increase participation. Preliminary proposals are required and must be submitted by Jan. 15, 1974.
 (110-2) The National Science Foundation is supporting Studies and Experimental Projects Directed Toward Increasing the Participation of Women in Science Careers. Studies should seek to identify and/or understand existing barriers to participation by women, or programs that promise to remove the barriers. Experimental projects should be aimed at either students at high school or above or the undergraduate level. Preliminary proposals are required and must be submitted by Jan. 20, 1974.
 (110-3) The National Endowment for the Arts has issued Fiscal 1975 guidelines and established the following application deadlines under the NEA Museum Program: Feb. 4, 1975 — museum purchase plan, aid to special exhibitions, festivals, etc. the field, fellowships for museum professionals, etc. . . . June 14, 1974 — museum collections, catalogue . . . June 14, 1974 — museum training, conservation, renovation Feb. 1, 1975 — availability of museums, research grants No deadline — visiting scientists and groups All programs except guidelines are funded on a rolling basis. Guidelines are available. NEA Contact for information

Sunday, Jan. 6 — PSU Sport Parachute Club Paraskaling, 9 a.m., Stone Valley.
Monday, Jan. 7 — League of Oriental Karate, 7-8 p.m., HUB ballroom, Demonstration-Lecture.
Tuesday, Jan. 8 — Hill Foundation, 7-8 p.m., HUB assembly room. Film on Israel.
Wednesday, Jan. 9 — Artists Series, The Films of Luis Bunuel, "Un Chien Andalou," and "Simon of the Desert," 8:30 p.m., Schwab.
Wednesday, Jan. 9 — Thalia Trio, 8:30 p.m., Music Bldg. recital hall.
Wednesday, Jan. 9 — Phi Mu Alpha noon-time concert, 12 noon, Kern lobby.
Thursday, Jan. 10 — Sports Wrestling, vs. Oklahoma, 8 p.m., Rec Hall.
Friday, Jan. 11 — Artists Series, "The Prisoner of Second Avenue," 5:30 and 9:30 p.m., Schwab.

Thursday, Jan. 3 — Meteorology, 3:55 p.m., Room 26 Mineral Sciences, Dr. Richard Cadie, Visiting Professor, National Center for Atmospheric Research, Boulder, on "Recent Studies of Stratospheric Sulfur Layer."
Monday, Jan. 7 — Plant Pathology, 9:45 a.m., Room 22 Buckout, Dr. James Tammen, on "Extension Plant Pathology Now and in the Future."
Monday, Jan. 7 — Entomology, 4 p.m., Room 215 Armsby, Finley Negley, Carl, and Albert Wheeler, Bureau of Plant Industry, Pa. Dept. of Agriculture, on "Entomology Philosophy and Programs in the Pennsylvania Department of Agriculture."
Tuesday, Jan. 8 — Chemical Engineering, 8:50 p.m., Room 140 Fenske, J. L. Katz,

Meetings

Tuesday, Jan. 8 — University Faculty Senate, 2:10 p.m., Room 112 Kern.

Exhibits

Museum of Art — Selections from the Permanent Collection, Galleries B, African Sculpture, from G. B. Gallery A.
Zoiler Gallery — Special projects by Art 411 graduate students.
Kern Gallery — Western State College of Colorado Faculty Art Exhibition. David Tail, photography.

Clarkson College of Technology, on "Homogeneous Nucleation,"
Tuesday, Jan. 8 — Solid State Physics, 1 p.m., Room 445 Cavey, Professor G. Barsch, on "Empirical Facts and Phenomenological Theory of Superconductivity," (second of two talks).
Wednesday, Jan. 9 — Analytical Chemistry, 8:30 a.m., Room 310 Whitmore, Dr. C. David McGlothlin, on "Wavelength-Dependent Luminescence Spectroscopy."
Wednesday, Jan. 9 — Biochemistry, 4 p.m., Room 101 Althouse, P. Casceri, on "Equilibrium of Hemoglobin with Oxygen."
Thursday, Jan. 9 — Agronomy, 3:55 p.m., Room 301 Agri. Adm. W. Busscher, et al., on "Gaining Perspective Through Field Trips."

Friday, Jan. 11 — Campus 4-H Square Dance, 8-11 p.m., HUB ballroom.
Friday, Jan. 11 — Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.
Saturday, Jan. 12 — Sports: Women's Rifle, vs. Youngstown State, 9 a.m.
Saturday, Jan. 12 — Free-U Jammy, 7:30-11:30 p.m., HUB ballroom.
Sunday, Jan. 13 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.
Sunday, Jan. 13 — Chapel Service, 11 a.m., Music Bldg. recital hall. Rev. James O. Stallings, Executive Secretary, N.A.A.C.P., Cleveland, Ohio.
Sunday, Jan. 13 — PSU Sport Parachute Club Paraskaling, 9 a.m., Stone Valley.
Sunday, Jan. 13 — Alpha Chi Omega Sorority, "Greek Sing," 2-4 p.m., Schwab. Benefit.

Clarkson College of Technology, on "Homogeneous Nucleation,"
Tuesday, Jan. 8 — Solid State Physics, 1 p.m., Room 445 Cavey, Professor G. Barsch, on "Empirical Facts and Phenomenological Theory of Superconductivity," (second of two talks).
Wednesday, Jan. 9 — Analytical Chemistry, 8:30 a.m., Room 310 Whitmore, Dr. C. David McGlothlin, on "Wavelength-Dependent Luminescence Spectroscopy."
Wednesday, Jan. 9 — Biochemistry, 4 p.m., Room 101 Althouse, P. Casceri, on "Equilibrium of Hemoglobin with Oxygen."
Thursday, Jan. 9 — Agronomy, 3:55 p.m., Room 301 Agri. Adm. W. Busscher, et al., on "Gaining Perspective Through Field Trips."

WPSX highlights

"A College Education: For The Many or Few?" is the subject of debate on "The Advocates" Thursday, Jan. 3, at 8:00 p.m. on WPSX-TV, Channel 3. Advocate Colette Manoil says that more technical schools, community colleges, and training programs are needed and that graduates of liberal arts colleges are often disappointed because they cannot find well-paying jobs. Opposition advocate John Burgess says that liberal arts education has never meant to guarantee wealth or jobs, but to produce more well-rounded individuals, of which he says we need more.
 Raymond Page, assistant professor of music at Penn State, is featured on "Music at Penn State" Sunday, Jan. 6, at 8:00 p.m. on WPSX-TV. The half-hour concert includes J. S. Bach's Sonata no. 5 for violin,

Official

Thursday, Jan. 3 — Classes resume, 8 a.m.
Wednesday-Friday, Jan. 9-11 — File for Passes, Feb. 1974.
Wednesday-Friday, Jan. 9-11 — Deadline for filing Course Repeat option.
Friday, Jan. 11 — Deadline for filing Course Drops.
Friday, Jan. 11 — Preregistration deadline.

Thursday, Jan. 10 — Mining Engineering, 4 p.m., Room 302 Mineral Industries. A. B. Opperman, E.I. du Pont de Nemours, on "Recent Development in Explosives."
Thursday, Jan. 10 — Chemistry, 12:45 p.m., Room 310 Whitmore, Charles F. Hamer, Georgetown University, on "The Derived Matrix Technique: A New General Spectroscopic Method for the Quantitative Determination of Complex Mixtures."
Thursday, Jan. 10 — Physics, 3:35 p.m., Room 117 Osmond, Edward A. Fagen, Energy Conversion Devices, Inc., Troy, Michigan, on "Recent Developments in Amorphous Semiconductors."

harpischord, and viola de gamba; and Max Rogers' Suite no. 1 for solo viola. Page is accompanied on the Bach section by June Miller, assistant professor of music. The concert may also be seen Monday, Jan. 7, at 10:30 p.m.
 "Religious America," a thirteen-part series that samples the variety of religious experience in America, premieres Sunday at 8:30 p.m. on Channel 3, with a visit to a Pentacostal church service in California. Each program in the series will focus on an example of how Americans express their spiritual values.
 Robert L. Butler, director of the Cooperative Fisheries Unit, and a professional wood sculptor, hosts "Chips of Time," a non-credit television course beginning Tuesday at 7:30 p.m. on WPSX-TV, and may also be seen Saturdays at 6 p.m. and Mondays at 10:30 p.m.

harpischord, and viola de gamba; and Max Rogers' Suite no. 1 for solo viola. Page is accompanied on the Bach section by June Miller, assistant professor of music. The concert may also be seen Monday, Jan. 7, at 10:30 p.m.
 "Religious America," a thirteen-part series that samples the variety of religious experience in America, premieres Sunday at 8:30 p.m. on Channel 3, with a visit to a Pentacostal church service in California. Each program in the series will focus on an example of how Americans express their spiritual values.
 Robert L. Butler, director of the Cooperative Fisheries Unit, and a professional wood sculptor, hosts "Chips of Time," a non-credit television course beginning Tuesday at 7:30 p.m. on WPSX-TV, and may also be seen Saturdays at 6 p.m. and Mondays at 10:30 p.m.

(110-12) Grants of up to \$1000 for scientific investigation in any field are awarded by the Society of the Sigma Xi. Funds may not be used for tuition or stipend reimbursement. Application forms are available in Room 317, Kern Graduate Bldg. or from Sigma Xi National Headquarters, 155 Whitney Ave., New Haven, Conn. 06510.

(110-13) Funds for predoctoral internships and post doctoral fellowships in clinical psychology are available for U.S. citizens. Predoctoral fellowships must be U.S. citizens; stipends range from \$5004-\$7064 per year. Meals are provided. For further information and application forms write to: American Psychological Association, 11 Dupont Circle, N.W., Washington, D.C. 20036.

(110-14) Postdoctoral researchers in the sciences and humanities who are under 28 years of age may apply for fellowships to the Von Humboldt Foundation, Q53 Bonn-Bad 208berg, Schillerstrasse 12, Germany. Applicants should be engaged in university work and have a history of publications. Stipends are 1600-1800 marks/month. There is no application deadline for the 400 annual 6-12 month awards.

REMINERS — DEADLINE OCTOBER
 Jan. 15 for NSF Educational High School Student Project Activity (Oec. 13 INTERCOM #109-1) Jan. 22 for NSF Service Outreach in Metropolitan Areas (Nov. 8 INTERCOM #704-1) Jan. 24 for NSF Local Government Management research (Nov. 22 INTERCOM #105-4) Reminder — NSF Alternatives in Higher Education Program, Educational Planning Restructuring Council (Nov. 15 INTERCOM #705-1 and Nov. 22 INTERCOM #105-4)

Artists Series has films, play, concert



Tickets are on sale today (Thursday, Jan. 3) for the performance Saturday (Jan. 5) by the Tokyo String Quartet at 8:30 p.m. in Schwab Auditorium, the first of several Artists Series programs in early January.

Opening Wednesday, Jan. 9, is a series of Luis Bunuel films to be shown on consecutive Wednesdays until Feb. 20 and with a final film April 3. The first program in the series will include the 1928 film, "An Andalusian Dog" ("Un Chien Andalou") and "Simulacrum of the Desert." The film "Los Olvidados," about a brutal gang of Mexican youths, is the feature Wednesday, Jan. 16.

On Friday, January 11, two performances of the Neil Simon hit play, "The Prisoner of Second Avenue," will be staged in Schwab Auditorium starring Imogene Coca and King Donovan. The performances are at 5:30 and 9:30 p.m.

Tickets for the Bunuel films will be sold at the door in each case (the showings are at 8:30 p.m.). Tickets for the Neil Simon drama are in go on sale to the general public Wednesday, Jan. 9, and to students Tuesday, Jan. 8, in the HUB.

The Tokyo quartet, praised highly by Donal Henahan, New York Times critic, following a performance in November, will perform the Haydn quartet in E-flat major, Op. No. 50, 1; the Bartok Quartet No. 6; and the Beethoven Quartet in E-flat major.

Two music events next week

Bruce Coppock, cellist, a student at the New England Conservatory of Music, and Teri Gemberling, pianist, a June graduate of Penn State and part-time instructor of piano, will present a joint recital Sunday, January 6, at 3 p.m. in the Music Building recital hall.

The program will include works by Brahms, Beethoven, and Copeland, concluding with an unaccompanied cello piece by Gunther Schuller, head of the New England Conservatory.

Wednesday, Jan. 9, at 8:30 p.m. in the Music Building recital hall, the Thalia

Trío will perform Beethoven's "Fourteen Variations for Trío," Mendelssohn's "Trío in C minor," and Brahms's "Five Brief Pieces for Trío." Martin is the ex-patriate Czech composer who came to this country in 1941 and lived here until his death in 1959. The Mendelssohn piece was composed just after he converted to Christianity, and the music reflects his interest in the 14th, 15th and 16th century hymns.

The Thalia Trío is composed of Joanne Zagst, violin; Leonard Feldman, cello; and Robert Baisley, piano.

French publication seeks manuscripts

Articles on French language, literature, culture and comparative studies are being solicited by the editors of "Les Bonnes Feuilles," the literary review published twice yearly by graduate students in the department of French. Additional subscriptions are also being sought.

The editorial staff currently for the publication includes Paul R. Bernard, editor-in-chief; Allan Manning and Fakhri Grine, associate editors; and Drs. David L. Anderson, Isabelle Armitage, and Glenn P. Norton as advisory board members.

Subscriptions may be obtained at \$4 for four issues; single copies are \$1.25. The current issue of "Les Bonnes Feuilles" includes a creative prose piece on Andre Gide, an article on Marguerite Yourcenar, "Moderate Centuries" a study on the structure and composition in a novel of Sade; and a comparative study of two African authors. It also includes two poems and a bibliography.

Manuscripts, in duplicate, should be addressed to the Editor, Les Bonnes Feuilles, Room 5401 Burrows Building.

In chemistry or equivalent and up to one year of effective experience. Experience with an atomic absorption spectrophotometer is desirable.

COUNSELOR CAREER DEVELOPMENT AND PLACEMENT CENTER McKeesport Campus

Responsible for individual and group counseling focusing primarily on educational/vocational concerns; assisting with preemployment testing and counseling program; provide consultation to Campus Community. Master's degree in Clinical Psychology or Counseling or equivalent. Counselor Education or related area and a minimum of three years applicable experience are preferred.

PERSONNEL ASSISTANT PERSONNEL ADMINISTRATION University Park

Responsible for selection and placement of employees for technical-service positions. Interview applicants and refer suitable applicants to departments for consideration. Bachelor's degree or equivalent with at least two years of administrative experience.

LIBRARY ASSISTANT — CCL CATALOGING UNIVERSITY LIBRARIES University Park

Responsible for cataloging publications and adapting them to CCL Cataloging System to provide central cataloging service to Commonwealth Campus Libraries. Bachelor's degree or its equivalent with a reading knowledge of at least one foreign language and a minimum of nine months effective experience.

FINANCIAL AID COUNSELOR OFFICE OF STUDENT AID University Park

Responsible to the Director of Student Aid for administration of the financial aid program. This involves counseling of students, interpretation of guidelines and regulations, and some supervision of clerical staff. Minimum qualifications are a Bachelor's degree or equivalent, in Student Personnel Work, Higher Education, or Social Sciences with one to three years of effective experience.

THE UNIVERSITY IS AN EQUAL OPPORTUNITY EMPLOYER

Applications for positions are considered without regard to race, color, creed, sex, or national origin.

Bus Ad students to enroll at ESAN

Foreign studies program in Peru added

A new program of study in Lima, Peru, has been approved for students majoring in business administration.

The first group of 20 students will study during the Spring Term at the Escuela de Administracion de Negocios para Graduados, (ESAN), according to Dr. Eugene J. Kelley, dean of the College of Business Administration, which is sponsoring the program under the framework of the University's Foreign Studies Program.

The new program brings to ten the number of countries in which Penn State students study abroad either in areas of general studies or in specialized fields such as architecture, art, education, landscape architecture, mass communications, and practice teaching, in addition to business. The Foreign Studies Program, which since

its inception has been directed by Dr. Dagoberto de Laube, is entering into its 13th year of operation.

At ESAN, the students will enroll in courses in business administration, international business, and economics taught by ESAN faculty members.

One of the advantages of studying in Peru, says Dr. Kelley, is that there will be an increasing demand for business majors who understand the problems of South America commerce and industry.

ESAN, although relatively new, is considered the leading institution for business management and administration programs in the Andean Bloc of nations.

Penn State also has established programs of research, faculty and student exchange and executive development with ESAN.

Dialogues on university values planned

"Two Cultures Dialogue" during the Winter and Spring Terms, will give attention to the area of "Values in American Higher Education" on the premise every university faces the crucial issue of the purpose of its existence and that students are asking the deeper questions of the underlying moral, ethical and spiritual values of a vocation or profession.

The monthly "Dialogues" represent an effort to bridge the divisions separating colleges, department and units, faculty and administrators, through discussions of issues of mutual interest. All faculty and administrative staff members are welcome. The sessions are held in Room 189 Materials Research Laboratory (east campus) with a bag lunch at noon, followed at 12:30 p.m. by talks and open discussion.

For the two terms, the topics and lead-off speakers are the following:

At Delaware County Campus

Meanings of death course to be offered

When students in the beginning psychology course are assigned an open choice term paper, nearly half choose to research and write about suicide.

Suicide and other forms of death are also the topics selected most often for papers written in a course in social problems.

Because of this apparent fascination with death among college students in their classes, two instructors at the Delaware County Campus have developed a new experimental course to be taught at the campus in the Spring Term. The course is entitled "The Meanings of Death."

Kenneth Kinman, assistant professor of sociology and Judith B. Davis, assistant professor of psychology, independently noted the interest in death, particularly suicide, among the students in their classes. Comparing notes, they decided to pool resources and write a course focusing on all aspects of the psychology and the sociology of death.

"Suicide is second only to traffic accidents as the major cause of death among people between the ages of 15 and 24," Davis said. "In our course, we don't know how many deaths officially attributed to single-car accidents and accidental overdose of drugs are actually suicides."

The course will be team-taught by Kinman and Davis and will study death in all its forms from both the individual and societal aspects. Some of the topics to be covered are the preparation for and attitudes toward death among elderly people; death, especially suicide and murder; death as treated in literature and art; euthanasia; death in the family; and the institution of the funeral.

A comparison of death in the United States as compared to how death is viewed in "death-oriented" cultures will also be included.

Students will be asked to write several papers on various topics dealing with death and each will be assigned a special field project. Among the suggested areas of research will be interviews with nursing home personnel regarding the feelings toward death among the aging, and interviews with medical school students regard-

ing what preparation, if any, doctors receive for dealing with death.

"The course is not meant to be therapeutic in terms of assuring people the death is nothing to worry about," Kinman said. "Rather, we hope that by taking the course, students will be able to face more realistically the idea of mortality and will recognize that death is part of living."

Kinman also noted a growing interest in thanatology, the study of death, among sociologists and increased emphasis on the subject in psychology and sociology classes on the college level.

Davis points out that in one branch of psychiatry, the existential therapist treats patients with the viewpoint that the basic fear of death is at the core of most of man's anxieties.

NEWS —

(Continued from page one)

late aunt, Dr. M. Gyla McDowell, who was chairman of the department of English at Geneva College. During and after the war, Dr. Silvia Stevenson, the regimental surgeon, began the collection, and Dr. McDowell continued the work in the decades following the war. About 20 cartons of materials — correspondence, memoirs, manuscript photographs, and pamphlets — were given to the Library. Included was Dr. McDowell's unpublished manuscript of the history of the regiment. Born in 1898, Dr. McDowell died in 1965. Dr. Warren Hassler, professor of American history, negotiated the acquisition of the papers, which are now in the Rare Books Room.

PHOTO HISTORY COURSE

The Department of Art History will be offering a course on the History of Photography during the Spring 1974 term. It will deal with the invention of photography, its influence on journalism and science, the development of photographic styles and the mutual interaction between photography and painting. The course will again be taught by Dr. H. K. Henschel, who has a background in photography. Henschel will retain his concurrent appointments and responsibilities in the Department of Physics and the Materials Research Laboratory.

Staff vacancies

To make application for the vacancies listed below, call 855-1387 (Network 475-1387) no later than:

5 P.M., THURSDAY, JANUARY 10, 1974

SUPERVISOR, ATHLETIC AND RECREATION OPERATIONS

Opportunities for providing and supervising employee services for instruction, intramural, and recreation programs; coordinating publicly and sports information; preparation and set up for athletic, recreation, special, etc., events; coordinating travel; laundry services; dealing with organizations associated with the programs; etc. Associate degree in Recreation and Parks or equivalent in two years of college level training, plus over two years up to and including four years of effective experience.

MANAGER OF HOUSEKEEPING

Responsible for planning, coordinating, reviewing and insuring the efficient operation of the housekeeping services, to include the establishment of various standards such as cleanliness, employee performance, etc. Bachelor's degree or equivalent, plus experience with courses or equivalent in two years up to five years of effective experience in Managing Housekeeping Facilities in a large institution.

BUDGET ACCOUNTANT

Responsible for initiation and implementation of bi-annual control procedures and the preparation of budgets, cost, and analytical reports pertaining to the hospital. Bachelor's degree or equivalent in Accounting plus two to four years effective experience. Hospital experience preferred.

RESEARCH AIDE

College of Agriculture University Park
Responsible for assistance with the conduct of chemical analyses and greenhouse and field experiments. Bachelor's degree with several courses

PENN STATE intercom

Volume 3, Number 17

January 10, 1974

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

News in brief

ALTOONA EXHIBIT

A one-man exhibit of the works of Windsor Cousins, currently a graduate assistant in art history, is featured in the Iydsdale Gallery at the Altoona Campus. The show will remain until Jan. 26. Cousins, a graduate of Princeton University, studied in France for six years, and his art has been exhibited at the Musée d'Art Moderne de Paris. From 1963 to 1971 he lived in Venice, lecturing to American students on Venetian art and architecture. Cousins will lecture at the Gallery Sunday, Jan. 26, at 4 p.m., when a reception will be held for him.

GETS AWARD

Dr. James L. Knestrick, assistant professor of social science and psychology at the Capitol Campus, received an award at the campus commencement exercises in December, just six months after he was

scheduled to receive it. The James A. Jordan Award for Teaching Excellence was to have been presented at the June Commencement exercises, but bad weather shortened the program and Dr. Knestrick had to wait for the honor, which is presented annually to a faculty member for effective teaching, enthusiasm and sincere interest in accomplishing good teaching results.

ART STORE BARGAINS

Reduced prices on all Christmas cards in stock and 1974 calendars are being offered at the Museum of Art store. The items are available at 25 per cent below list price but only limited quantities are available.

EXHIBIT

"Emblems of Seduction," an exhibit of old and new emblems from 16th, 17th, and 18th century books and from modern television, will open on Jan. 14 in the Zoller Gallery, Visual Arts Bldg.

The exhibit includes the display of many of the actual old texts on loan from the

Penn State Room in Pattee and a videotape show of about 100 emblems. It illustrates the symbolic representation of visual-verbal proverbs, according to exhibit organizer William Kinser, an instructor in the Department of Art.

As these emblems symbolically translate the folk wisdom of the age and culture from which they emerged and as the artists who created them shared the concerns of the writers whose texts they accompany, Kinser explained, the exhibit is a display of popular art which functions as a behavior guide in a given culture.

The videotapes will be shown daily in the gallery, from 1 to 4 p.m. weekdays and from noon to 5 p.m. weekends. Gallery hours are 8 a.m. to 5 p.m. Monday through Friday; noon to 5 p.m. Saturday and Sunday. "Emblems of Seduction" will continue in the Zoller Gallery through Jan. 26.

BOOK HONORED

The book, "Eight Thirteenth-Century Rolls of Arms in French and Anglo-Norman Bilingual," by Dr. J. H. Hill, is the recipient of the 1973-74 award for best book in the field of medieval history.

(Continued on page four)

Deadlines near for fellowships

The following information concerning Graduate School Fellowships has been provided by Dr. Benjamin F. Howell, Jr., associate dean of the Graduate School.

1. The deadlines for submitting applications for the approximately 30-40 Graduate School Fellowships for 1974-75 is February 4 for students currently enrolled as a graduate student at Penn State and February 19 for incoming students. The complete application must reach 317 Korn Graduate Building by these dates for the student to be eligible for an award.
2. Each applicant must be nominated by his Penn State graduate major. Provision for this nomination is made on page 4 of the application. No application will be considered until page 4 of the application has been completed and signed by the person in charge of the major.
3. Each major may nominate no more than three incoming and three already enrolled applicants. If more nominees are received, those first received will be considered and subsequent applicants turned down without review of their application.

Nutrition consultation service now available

A Nutrition Consultation Service has been opened in two locations at the University to offer individual and group counseling for those wishing to adjust food intake to meet health needs.

Services of one center, located in the Myra Dock and Catherine Beecher houses, are available to University faculty and staff and Central Pennsylvania residents.

The other center, located in Room 215-B Ritenour Health Center, provides services to undergraduate and graduate stu-

dents on direct referral from a University physician or on a walk-in basis.

The service is being offered by the Nutrition Program of the College of Human Development. Both clinics are staffed by registered dietitians qualified to prescribe diets and consult on a variety of nutritional problems, including diabetes, overweight, underweight, ulcerative colitis, hypoglycemia, vegetarian diets, and the nutritional needs of pregnant women.

Students with special dietary needs must

offer written referral from a University physician, while others must provide written referral from their family physician or obstetrician. Consultation on normal nutrition problems and financial management of food does not require such referral.

The clinics are open from the second through the tenth week of each term with varying hours. Persons seeking additional information or an appointment at either center may call 665-1751 from 8:00 a.m. to 5:00 p.m. Monday through Friday.

Engineers will have bigger part

Energy crisis will affect building designs

The uncertainty of the stockmarket is minor compared to that faced by the building industry in the current energy crisis, according to C. Herbert Wheeler, professor of architectural engineering.

"If you think about it, a new building often isn't essential," Professor Wheeler says. "I visualize many buildings being stopped until the rules of the game become clearer. Until now, construction has been based on energy-wasting procedures aimed at providing a 'low first cost' building, with very little thought given to the life cycle cost of operating it."

Wheeler, who teaches the courses in professional practice and directs the seniors' projects in his department, has been asking his students to design their buildings on the basis of energy conservation.

"That means doing away with big glass walls and an end to poorly insulated walls and roofs," he explains. "Designers will have to plan air vestibules to keep building heat from escaping when outside doors are opened and utilize the heat generated by lights and people more efficiently."

"Energy conservation is going to do more to make the design professions and the construction industry build better buildings than any other situation in my lifetime. In fact, the great challenge ahead of educators like myself is to lead, by education and by research, in preparing students for a more energy-conscious society."

"In the immediate future, shortages of materials and transportation of them will be a problem. But in the distant future, I'm confident that new materials and tech-

niques will come forward to make it possible to design buildings that use less energy."

An architect by education and an engineer by experience, Wheeler believes that the time has passed when a single genius like Frank Lloyd Wright could design a building alone.

"With mechanical-electrical systems accounting for such a large share of construction costs, a building becomes an

engineering end-product," he points out. One of Wheeler's principal goals is the harmonious wedding of the capabilities of architects and engineers.

"Put up a building without an engineer, and it will probably fall down," he notes. "Build one without an architect, and you'll probably want to tear it down."

Penn State is the only university which has a department of architectural engineering offering a five-year ECPD accredited curriculum, but there is a handful of four-year schools. Many institutions backed off from the field as the result of a 1950 mid-century architectural report rejecting the concept of architectural engineering. But Wheeler profoundly disagrees with the report, and he has set out to make architectural engineering a profession.

Hailed as the nation's leading authority on architectural practice, he is a consultant to

(Continued on page four)

Sports centers directors named

Two appointments have been made of directors of specific centers within the Sports Research Institute of the College of Health, Physical Education and Recreation.

Dr. Kenneth S. Clarke, professor of health education, will be director of the Center for Health Aspects of Sport, and Dr. Dorothy V. Harris, professor of health and physical education, will serve as director of the Center for Women and Sport.

The Sports Research Institute, established in 1969 within the College, serves as an administrative structure within which research and graduate study are developed in the area. A variety of problems related to athletic performance are studied, combining the interests of persons working in the areas of physiology, biomechanics, medicine, psychology and sociology as they relate to athletic performance.

Dr. Robert J. Scannell, dean of the College and director of the Institute, says the new centers will serve to expand research interests in the areas of health and the female athlete.

Project guidelines are currently being developed by Dr. Clarke and Dr. Harris, and advisory board members for the Centers will be announced soon.



C. Herbert Wheeler

Assistant provost candidates sought

The position of assistant provost is being established in the office of University Provost Russell E. Larson to provide administrative support in matters involving faculty, academic programs, and the administration of various academic units of the University.

Specifically, Dr. Larson said, the assistant provost will assist with coordinating, supervising or monitoring such activities as academic policy, procedures and program analysis, advancing program and personnel effectiveness and efficiency in instruction, research, public service and scholarly achievement.

Further, the assistant provost will be concerned with faculty welfare, rights and responsibilities, and faculty affairs, with studies to promote and foster excellence in the academic programs of the University, and will handle such responsibilities as may be assigned.

Basic qualifications of the position include the highest degree in the discipline or professional field, recognized achievement in the field or discipline, and experience in undergraduate instruction and in the supervision of graduate student research. Preference will be given to candidates with superior professional rank and with some experience or training in academic administration.

Nominations and applications for the position should be submitted to the Office of the University Provost, 205 Old Main prior to Feb. 1, 1974.



Service Awards at ARL

Four members of the faculty who are on the staff of the Applied Research Laboratory received 25-Year Service Awards from Dr. Richard G. Cunningham, (far right) vice president for research and graduate studies, at annual Lab honors ceremonies in December. At left is Arnold Addison, Personnel Director who is also professor of industrial relations. A native of England, he came to the U.S. in 1924 and received both bachelor's and master's degrees from West Virginia University. He worked for the Federal Government and for RCA before joining the Lab staff. Second from left is Robert J. E. Herman, associate professor of engineering research, who works in the area of torpedo development and evaluation. He is a graduate of Illinois Institute of Technology,

where he taught for two years before military service. He worked for Reynolds Electric Co. before joining the staff. Edward J. Tracy, Jr., assistant professor of engineering research, was graduated by the University of Notre Dame, with a degree in chemical engineering. At the Lab he has been in charge of the chemistry laboratory and has several patents to his credit. With Dr. Cunningham in the picture is Nelson F. Wood, assistant professor of engineering research, who is one of the fluids engineering unit. He is a retired Commander in the Naval Reserve. He received a B.S. degree at Fitchburg State Teachers College and attended Columbia University's Midshipman's School. During World War II, he served as a lieutenant in the submarine service.

Deaths

Dana K. Merrill, who retired in 1955 as professor emeritus of American literature after 39 years on the faculty, died Dec. 21 at the age of 83. He was graduated from Bowdoin College in 1915 and came to the campus the following year as teaching fellow. In 1917 he received the M.A. degree from Penn State and in 1919 was named assistant professor of English literature. He became full professor in 1927 and in 1954 his title was changed to professor of American literature. He wrote the book "The Development of American Biography" and was author of various articles on American biography and the literary history of Bowdoin College.

Dr. Gerald L. Wendt, who was dean of the School of Chemistry and Physics at Penn State from 1925 to 1929, died Dec. 24-25 in New York, at the age of 82. He was head of the publications center of the United Nations Educational, Scientific, and Cultural Organization when he retired in 1967, after 15 years in the position.

Retirement

Dr. Louise Kline Kelly, senior assistant librarian and curator of the Penn State Room collection in Pattee Library, retired Dec. 31. She served on the Library staff for nearly 12 years. The widow of Dr. James P. Kelly, geneticist and botanist who retired in 1950 after serving on the

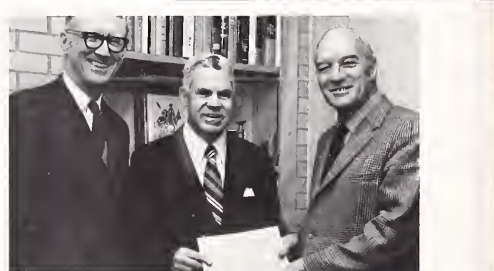
faculty for 36 years, Mrs. Kelly was at one time professor and chairman of the English department at Elizabethtown College, serving in that capacity for seven years. A graduate of Skidmore College, she earned her master's degree in English at Penn State and completed her doctorate work in 1951, majoring in American literature.

Appointments

Dr. Keith Roe, as senior assistant librarian and assistant agricultural and biological sciences librarian, effective Dec. 17. He has been serving as bibliographer for natural sciences and mathematics at St. Mary's College of Maryland. A graduate of Iowa State University, with a B.S. degree in horticulture, he earned the M.S. and Ph.D. in botany at the University of Wisconsin. He was granted an M.L.S. degree by the University of Oregon. Before entering the library profession, he was assistant professor of botany at the University of Northern Colorado.

Michael J. Smith, as research associate and manager of programming of the Library Information Access System in University Libraries. He is a Penn State graduate, with B.A. in mathematics, and received his M.A. in logic from Bucknell last month. He served as manager of the Library Information Systems Project at Bucknell and previously worked for Computer Access Corp. and HRB-Singer, both in State College.

Ellen K. Garber, assistant director of Cooperative Extension Service and associate professor of Home Economics Extension, received the 25-Year Service Award from College of Agriculture Dean James M. Beattie, with Associate Dean Thomas B. King as witness. Miss Garber's first assignment for Extension was as assistant Home Economics Extension Representative in Indiana County. In 1955 she was appointed assistant State leader and in September of last year received her present title. She is a 1940 Penn State graduate and received her Master's degree from the University of Wisconsin.



Or. Ira V. Brown (center), professor of American history, recalled some personal history when he received the 25-Year Service Award certificate from College of the Liberal Arts Dean Stanley F. Paulson. Dr. Kent Forslar, history department head, who has also received a Service Award, added to the reminiscing. Appointed to the faculty in 1947 as instructor, Dr. Brown came from Mary Baldwin College where he had served as associate professor of history. Previously he was instructor at Phillips Exeter Academy. A graduate of George Washington University, he received an M.A. degree from the University of Virginia in 1942 and M.A. from Harvard in 1943. Harvard also conferred the Ph.D. degree on him in 1946. The author of monographs and papers for the Pennsylvania Historical Association, he was also editor of the book, "Joseph Priestley: Selections from his Writings."

Funding Opportunities

For more information, call 855-1372 except where noted below, and refer to the item by its number and the general information provided. People with grant applications for distribution in this column should call the same number.

JANUARY 20, 1974

(111-1) NIE Grants for Research in Education have a January 26, 1974 prospectus deadline. The National Institute of Education will focus its research on five issues: (1) Essential skills — specialized research in learning and instruction; (2) Relevance of Education to Work — factors influencing occupational attainment and socioeconomic success; (3) Diversity, Pluralism, and Opportunity in Educational Systems — educational variability and their consequences for student learning; (4) Production and Utilization of Knowledge — examining the production of research results; and (5) Efficiency and Productivity in Education — research on improved measurements. Guidelines have been ordered for each College research dean.

(111-2) Penn State faculty and students are eligible for AEC-supported research appointments to the Argonne Center for Educational Attitudes of the Argonne National Laboratory. Research Participation Awards programs have been announced for 1974. Faculty Research Participation for the summer (limited basis for academic year) (2/1/74 deadline); Laboratory — Graduate Participation — for periods of 3 months to 1 year and extendable for doctoral participants; Thesis Parts Appointments — from a few days to 6 months; Biology Research Institute — must begin prior to 5/24/74, for 12 continuous weeks (2/1/74 deadline); Mathematics and Computer Science Research Institute — must begin prior to 6/17/74, for 12 continuous weeks (2/1/74 deadline); Materials

Science Research Institute — must begin prior to 6/17/74, for 12 continuous weeks (2/1/74 deadline). Program announcements and contracts are available.

(111-3) The National Eye Institute will award postdoctoral fellowships for full-time academic and research training in clinical and laboratory sciences related to vision. Periods are one to three years, stipends are based on years of experience in related postdoctoral research training. Application deadlines are Jan. 15 and May 1. Application material is available from Office of manpower Research, Div. of Research Grants, NIH, Bethesda, MD. 20014.

(111-4) Proposals based on an improved intermediate instructional program in one or more of the sciences through the purchase of scientific equipment will be consistent with National Science Foundation Instructional Science Equipment Program objectives. Proposals are limited to requests for funds to purchase, fabricate, or rent scientific equipment, itemized expenditures, teaching aids, reference materials, tools, and minicomputers. Limited funds (\$25 million) are available for this program. Awards will be made on a 50/50 matching basis up to \$50,000 in Federal Funds. Overmatching is allowed. Guidelines were distributed earlier; closing date for applications is Feb. 15.

(111-5) To broaden the instructional objectives of faculty and thereby improve science instruction, NSF will offer faculty the opportunity of conducting problem-oriented research for national interest in an industrial setting. Proposals for such projects of the Faculty Research Participation Program will be invited from industrial organizations, independents, and laboratories under con-

tract to government or university agencies. Information is available (pamphlet E74-17) and from Program Manager, Instructional Improvement Implementation Section, Office of Higher Education, Science, NSF, Washington, D.C. 20550 (202)282-7760. Proposal deadline is expected to be Feb. 15, 1974.

(111-6) The Oance Program of the National Endowment for the Arts announces the following program deadlines: Feb. 1, 1974 — Choreography Fellowships and Production Grants, Management and Administration, and Services to the Field — June 1, 1974 — Resident Professional Oance Companies. Grants are usually matching with the exception of five fellowships categories. Partial salary support and training support is offered under Management and Administration. In addition, projects in Dance Films and Video will be supported in FY 1975 on a pilot basis. One-page project description and budget summaries are required. General Programs are also supported by NEA where the above categories do not fit — deadlines Feb. 1 and Nov. 30, 1974. Guidelines and program descriptions are available or contact Oance Program, NEA, Washington, D.C. 20506. (202)382-8853.

(111-7) Following are notices of fellowship opportunities. For more information, write to listed addresses. (111-7) American Society for Engineering Education (c/o F. S. Bradley, Jr., Suite 400, 1 DuPont Circle, Washington, O.C. 20036) coordinates summer faculty fellowships in NASA laboratories to develop collaboration and competence in engineering systems design. Stipends are \$275-\$300/week plus a travel allowance. Application deadline is Feb. 15.

(111-8) United Nations Association of the United States of America (Bunche Fellowship Fund), 345 East 46th St., New York 10017 offers research fellowships for black Americans under 35 in international affairs and improvement of quality of life on a global basis. One-year fellowships include a stipend of \$5000. Application deadline is March 1.

(111-9) Society of Exploration Geophysicists (Scholarship Committee, P.O. Box 3088, Tulsa, 74101) offers scholarships for undergraduate and graduate students planning careers in geophysics. Application deadline is March 1.

(111-10) American Accounting Association (Attn: P. L. Gerhardt, 653 S. Orange Ave., Suite 311, 60620) offers fellowships for doctoral students accounting and related fields. Application deadline is March 1.

(111-11) American Institute of Public Administrators (Chairman, Committee on Relations with Universities, 665 5th Ave., New York 10019) offers grants for students in accounting for post-comprehensive examination dissertation research. Application deadline is March 1.

(111-12) Arthur Anderson & Co. (Attn: Claude Rodgers, 69 W. Washington, St. Paul, Minn. 55102) offers dissertation year fellowships in accounting. Application deadline is March 1.

(111-13) National Center for Community Education (Mont. Leadership Program, 1011 St. Flint, Michigan 48003) offers fellowships community education. Master's candidates must apply by 30.

(111-14) American Sociological Association (Attn: Joan Harris, 1722 N. Street, N.W., Arlington, O.C. 20036) is initiating new graduate fellowship program for ethnic studies.

University Calendar

January 10-20, 1974

Special Events

Thursday, Jan. 10 — Sports: Wrestling, vs. Oklahoma, 8 p.m., Rec Hall.
Friday, Jan. 11 — Artists Series, "The Prisoner of Second Avenue," 5:30 and 9:30 p.m., Schwab.
Friday, Jan. 11 — Campus 4-H Square Dance, 8-11 p.m., HUB ballroom.
Friday, Jan. 11 — Commonsplace Coffee-house, 8 p.m., Room 102 Kern.
Saturday, Jan. 12 — Sports: Women's Rifle, vs. Youngstown State, 9 a.m., White Bldg.
Saturday, Jan. 12 — Free-U Jammy, 7:30-11:30 p.m., HUB ballroom.
Sunday, Jan. 13 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.
Sunday, Jan. 13 — Chapel Service, 11 a.m., Music Bldg. recital hall, Rev. James O. Stallings, Executive Secretary, N.A.A.C.P., Cleveland, Ohio.
Sunday, Jan. 13 — PSU Sport Parachute Club Paraskating, 9 a.m., Stone Valley.
Sunday, Jan. 13 — Alpha Chi Omega Sorority, "Greek Sing," 2-4 p.m., Schwab.

Monday, Jan. 14 — Sports: Men's Basketball, vs. Princeton, 8 p.m., Rec Hall.
Monday, Jan. 14 — Coaly Society, 7-9:30 p.m., HUB assembly room.
Monday, Jan. 14 — Overda Page, lute recital, 9:30 p.m., Music Bldg. recital hall.
Wednesday, Jan. 16 — Artists Series, The Films of Bunuel, "Los Olvidados," 8:30 p.m., Schwab.
Wednesday, Jan. 16 — Sports: Men's Basketball, vs. Delaware, 8 p.m., Rec Hall.
Wednesday, Jan. 16 — Coaly Society, 7-9:30 p.m., HUB assembly room.
Wednesday, Jan. 16 — Alard String Quartet, 8:30 p.m., Music Bldg. recital hall.
Wednesday-Friday, Jan. 16-18 — 5 O'Clock Theatre, "Cowboys and Indians," by Lawrence Lebin, Wednesday and Thursday at 5:20 p.m., Friday at 7:20 p.m., Pavilion Theatre.
Friday, Jan. 18 — Folk and Square Dance Roundup, 7:30-9 p.m., North Gym. Wind Ensemble, 8:30 p.m., Music Bldg. recital hall.
Friday, Jan. 18 — Commonsplace Coffee-house, 8 p.m., Room 102 Kern.

Friday-Sunday, Jan. 18-20 — IFC Dance Marathon, HUB ballroom.
Saturday, Jan. 19 — Penn State Singers, (An Evening of Gilbert and Sullivan), 8:30 p.m., Schwab.
Saturday, Jan. 19 — Chinese Student Association New Year Celebration, (dinner and entertainment), dinner served between 6 and 7:30 p.m., Rooms 102 and 104 Kern.
Saturday, Jan. 19 — Sports: Women's Basketball, vs. Edinboro State, 1 p.m., Men's Gymnastics, vs. Syracuse, 8 p.m., Rec Hall; Wrestling, vs. Syracuse, 2:30 p.m., Rec Hall; Men's Swimming, vs. Pittsburgh, 2 p.m.; Men's Rifle, vs. Villanova-West Virginia, Women's Fencing, vs. Ohio State, 10 a.m.
Sunday, Jan. 20 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.
Sunday, Jan. 20 — Chapel Service, 11 a.m., Eisenhower Chapel, Doris M. Seaward, executive assistant to the president.
Sunday, Jan. 20 — PSU Sport Parachute Club Paraskating, 9 a.m., Stone Valley.



In the current exhibit in Gallery A, Museum of Art, is this wood sculpture, "Standing Man with a Gun," from Nigeria, West Africa. The show, which continues until Feb. 3, includes 21 pieces from the Museum of Primitive Art, New York, the University's permanent collection and private collection.

Seminars

Thursday, Jan. 10 — Agronomy, 3:55 p.m., Room 301 Agri. Adm., W. Busscher, et al., on "Gaining Perspective Through Field Trials."
Thursday, Jan. 10 — Mining Engineering, 4 p.m., Room 302 Mineral Industries, A. B. Oppermann, E.I. du Pont de Nemours, on "Recent Development in Explosives."
Thursday, Jan. 10 — Chemistry, 12:45 p.m., Room 310 Whitmore. Charles F. Hammer, Georgetown University, on "The Derived Matrix Technique: A New General Spectroscopic Method for the Quantitative Determination of Complex Mixtures."
Thursday, Jan. 10 — Physics, 3:35 p.m., Room 117 Osmond, Edward A. Fagen, Energy Conversion Devices, Inc., Troy, Michigan, on "Recent Developments in Amorphous Semiconductors."

Thursday, Jan. 10 — Statistics, 4 p.m., Room 75 Willard, Leo Breiman, private consultant, on "Analyzing Finite Sample High-Dimensional Data."
Thursday, Jan. 10 — Psychology and Indiv. Fam. Studies, 8 p.m., Room 111 Chambers, Dr. Hayne Reese, West Virginia University, on "Educational Implications of Research in Mnemonics Imagery."
Friday, Jan. 11 — Microbiology, 4 p.m., Room 350 North Frear, Dr. Robert Benhr, University of Minnesota Medical School, on "Cyclic GMP and Catabolite Repression in *Bacillus*."
Friday, Jan. 11 — Population Issues Research, 2:30 p.m., Room 244 Deike, Robert H. Weller, sociology, Florida State University, Tallahassee, on "Race, Socioeconomic Status and Fertility."
Friday, Jan. 11 — "Two Cultures Dialogue," 12:30 p.m., Room 199 Materials Research Lab., G. L. Anderson and W. E. Toombs, (education), on "The Historical and Current Context."

Monday, Jan. 14 — Plant Pathology, 9:45 a.m., Room 213 Buckhout, Dr. A. A. MacNab, on "Extension Plant Pathology: Programs and Program Development for Small Fruits and Vegetables."
Tuesday, Jan. 15 — Geosciences, 4 p.m., 1 p.m., Stephen J. Gould, geology, Harvard University and The Museum of Comparative Zoology, on "Stochastic Simulations of Evolution."
Tuesday, Jan. 15 — Solid State Physics, 1 p.m., Stephen J. Davey, Barry Bouddreaux, Allied Chemicals, on "Amorphous Materials: Atomic Structure and Electric Properties of Random Networks."
Tuesday, Jan. 15 — Chemical Engineering, 3:50 p.m., Room 140 Fenske, T. Fort Jr., Carnegie-Mellon University, on "Adsorption at the Metal-Hydrocarbon Interface."
Wednesday, Jan. 16 — Analytical Chemistry, 8:30 a.m., Room 210 Whitmore, D. G. Dube, on "Lewis Base Reactions with Methylated Diboranes."

Wednesday, Jan. 16 — Biochemistry, 4 p.m., Room 101 Altohouse, T. Casceri, on "Kinetics of Oxygen Binding by Hemoglobin."
Thursday, Jan. 17 — Philosophy, 4 p.m., Room 251 Willard, Dr. J. T. Price, Tuskegee Institute, and Dr. Joseph Kochelmann, on "The Nature of Language."
Thursday, Jan. 17 — Chemistry, 12:45 p.m., Room 310 Whitmore, Barry Trost, University of Wisconsin, on "Innovations in Organic Synthesis."
Thursday, Jan. 17 — Physics, 3:35 p.m., Room 117 Osmond, James K. Watson, Ohio State University, on "Recent Developments in Theoretical Spectroscopy."
Thursday, Jan. 17 — Agronomy, 3:55 p.m., Room 301 Agri. Adm., J. H. Stern and R. Cole, on "Techniques at Rothamsted Experiment Station."

Exhibits

Museum of Art — Selections from the Permanent Collection, Gallery B, until Jan. 13. African Sculpture, Gallery A. Prints and Drawings from Central Pennsylvania Collectors, Gallery C, opening Jan. 20.
Zoller Gallery — Special projects by 41 graduate students, until Jan. 12. Emblems of Seduction, opening Jan. 12.
Kern Gallery — Western State College of Dental Faculty Art Exhibition, David Tall, photography, Christopher Weiland, pottery.
Pattee Library — Gail Anderson, water-colors, Circulation Room, until Jan. 15. Jean Furth, prints, West Pattee Lobby. Peter Kauffman, paintings, East Pattee Lobby. The Energy Crisis, display, Main Undergraduate Library. Postage Stamps from New Zealand, Main Entrance Lobby.

Films

Thursday-Sunday, Jan. 10-13 — Arnold Air Society, "Super Fly," 7 and 9 p.m., Room 105 Fern.
Thursday-Sunday, Jan. 10-13 — Centre Halls, "The French Connection," 7:30 and 10 p.m., Room 102 Fern.
Friday-Sunday, Jan. 11-13 — North Halls, "Two People," 7:30 and 9:30 p.m., Room 108 Fern.
Saturday, Jan. 12 — Free-U children's films, "Fun and Fancy Free," (Walt Disney), 12:30 and 2:30 p.m., HUB assembly room.
Wednesday, Jan. 16 — Commonsplace Theatre, "Sahara," 8 and 10 p.m., Room 112 Kern.
Thursday-Sunday, Jan. 17-20 — Arnold Air Society, "Fritz the Cat," 7 and 9 p.m., Room 102 Fern.
Friday-Sunday, Jan. 18-20 — North Halls, "Little Big Man," 7:30 and 9:30 p.m., Room 105 Fern.
Saturday, Jan. 19 — Free-U children's films, "Melody Time," 12:30 and 2:30 p.m., HUB assembly room.

Lectures

Thursday, Jan. 10 — Populations Issues Research, 4 p.m., Room 64 Willard, Robert H. Weller, sociology, Florida State University, Tallahassee, on "Family Planning Programs and the Limitation of Population Growth."

Meetings

Tuesday, Jan. 15 — College of Agriculture, 4 p.m., HUB assembly room.
Tuesday, Jan. 15 — College of Liberal Arts, 3:55 p.m., Room 121 Sparks.
Wednesday, Jan. 16 — Biology Society, 7:30 p.m., Room 8 Life Sciences I, Dr. Edwin L. Cooper, co-sponsor.
Thursday, Jan. 17 — College of Engineering, 4 p.m., Room 26 M. S.
Thursday, Jan. 17 — College of Business Administration, 10 a.m., Room 201 Business Adm.
Thursday, Jan. 17 — College of Arts and Architecture, 4 p.m., Room 302 Engineering A.

WPSX highlights

"Gas Rationing: Yes or No?" Is the subject of debate on "The Advocates" Thursday, Jan. 10, at 8:00 p.m. on WPSX-TV, Channel 3. The hour-long debate centers around whether or not gas rationing is preferable to increasing the price of gasoline to rise beyond ordinary people's ability to buy it. The "yes" side calls for rationing as the most equitable means of controlling gas sales. The "no" side maintains that rationing will only postpone the inevitable and that the free market should be allowed to take its course. The program can also be seen on Saturday at 2:00 p.m.
"The Killers," a series of five national documentaries about the major causes of death in America, examines "Pulmonary Disease: The Hidden Enemy" Monday, Jan. 14, at 8:00 p.m. on Channel 3. The 90-minute documentary surveys major lung disorders from the common cold to lung cancer, explores occupational diseases such as black lung, and looks at new re-

search and methods of treatment for various pulmonary diseases. At 9:30 p.m., "Pulmonary Disease — Close to Home" examines occupational lung diseases in Central Pennsylvania, looks at smoking clinics in Central Pennsylvania, and surveys other community services available for area residents. Both "The Killers" and the WPSX-TV follow-up program may also be seen on Saturday, Jan. 19, at 2:00 p.m. and again at 10:30 p.m.

5 o'clock theatre

"Cowboys and Indians," the 5 O'Clock Theatre production of a bitter comedy about a Park Avenue couple who invite a cowboy and an Indian to lunch, opens at 5:20 p.m., Wednesday, Jan. 16, in the Pavilion Theatre.
Written by Lawrence Lebin, a part-time theatre arts graduate student, the play will be directed by Peter Lesnick, also a graduate student in theatre. Additional performances are scheduled for 5:20 p.m., Thursday, Jan. 17, and 7:20 p.m., Friday, Jan. 18. "Cowboys and Indians" is suggested for an adult audience.

Artists Series

Imogene Coca and King Donovan are starred in the Neil Simon comedy play, "The Prisoner of Second Avenue," which will be performed twice Friday, Feb. 11, at 5:30 and at 9:30 p.m. in Schwab Auditorium.

Tickets were on sale this week in the HUB and if any remain will be sold at the door five minutes before curtain to fill the auditorium.

The play has been a smash hit on Broadway, evoking "tons of laughter" from the problems of urban living.

Also upcoming in the Artists Series is the second program in the series of Luis Bunuel films, "Los Olvidados," Wednesday, Jan. 16, at 8:30 p.m. in Schwab. Tickets for all of these films are sold at the door prior to the showing.



King Donovan stars with Imogene Coca in the touring production of Neil Simon's hit play, "The Prisoner of Second Avenue," at the Artists Series Friday, Jan. 11, two performances, at 5:30 and 9:30 p.m. in Schwab.

Official

Thursday-Friday, Jan. 10-11 — Deadline for filling Course Repeat option.
Thursday-Friday, Jan. 10-11 — File for Pass/Fail option.
Friday, Jan. 11 — Deadline for filling Course Drops.
Friday, Jan. 11 — Preregistration deadline.

HUB specials

The HUB Terrace Room has initiated daily special meals for both lunch and dinner at prices much below customary cafeteria prices at cafe. No substitutions are permitted to benefit from these reduced prices. For the next week, the features (all accompanied with appropriate side dishes and beverages) are:

Sunday, January 13 — lunch, baked ham, \$1.51; dinner, Welsh rarebit, \$1.11.
Monday, January 14 — lunch, grilled beef pattee, 5.53; dinner, planters beef w/noodles \$1.49.
Tuesday, January 15 — lunch, grilled cheese sandwich, \$1.02; dinner, franka & kraut \$1.35.
Wednesday, January 16 — lunch, meat pinwheel, \$1.11; dinner, turkey ala king \$1.59.
Thursday, January 17 — lunch, apple fritters w/ bacon, \$1.72; dinner, hot beef sandwich \$1.41.
Friday, January 18 — lunch, egg cutlet, 5.85; dinner, cream w/rice \$1.49.
Saturday, January 19 — lunch, macaroni & cheese, 5.81; dinner, meatloaf \$1.39.

PARKING DECAL VOID STRIPS BEING ISSUED

New void strips for parking decals are being issued to extend the validity of parking decals until September 30, 1974.

The new void strip is a 1/2-inch red and white vinyl strip that fits over the bottom half inch of the existing parking decal. The decal must be clean for the void strip to adhere. The void strips of a dated vinyl material, and care must be taken when handling them. A thin paper-like backing on the void strip must be removed before affixing it to the decal.

The new void strips may be affixed to parking decals anytime during the month of January, 1974. They must be displayed by January 31, 1974, after which time any vehicles, not displaying them, will be subject to a violation.

Anyone not receiving the new void strips by January 23, 1974, should contact his college or department parking chairperson or call the University Parking Coordinator, 865-1412.

Void strips, extending the use of decals for a longer period, help to insure that University faculty and staff members have parking privileges.

Four music programs planned in week

Four programs of music will be offered by Music Department faculty members and others next week, beginning Monday, Jan. 14, with a recital by Overda Page, part-time instructor in music, with other members of the faculty, as well as the State College Symphony.

Wednesday, Jan. 16, the Alard String Quartet will perform on campus again, before embarking on a tour which will include a featured performance this month in the annual string quartet program at Middlebury College, Vt., and in February a 14-concert Southern jaunt that will include stops in Atlanta, Miami, Charleston, and the University of Florida.

Friday, Jan. 18, the Symphonic Wind Ensemble will present a "Festival of Modern Wind Music," with Smith Toulson, assistant professor of music, directing the 42-member wind and percussion group.

Those three programs will all be performed in the Music Building recital hall, starting at 8:30 p.m.

Saturday, Jan. 19, in Schwab Auditorium, the Penn State Singers, directed by Raymond Brown, will feature a pot pourri of Gilbert and Sullivan highlights in performances at 3 p.m. and 8:30 p.m. It will include three scenes from "The Mikado,"

a scene from "Ruddigore," and the entire "Trial by Jury," the first successful Gilbert and Sullivan opera, performed originally in 1875.

No tickets are required for these performances. Stage director for the opera scenes is Jerry James, theatre arts graduate student, and production designer is John Roslevich.

The Monday (Jan. 14) program will include five works by major composers, including a Prokofiev sonata for flute and piano, Ravel's "The Enchanted Flute," and Grilles' "Poem for Flute and Orchestra."

Among those featured will be Page in the program will be Philip Delano, piano; June Miller, harpsichord; Karen Cain, soprano; the Claremont Woodwind Quintet (Christen and William Dole, Gregory Donovetsky, Mrs. Page, and Toulson).

The Alard quartet will play Webern's "Five Movements for String Quartet"; Schubert's "Quartettsetzt"; Brahms' "Quintet for Clarinet and Strings"; and "Quartet No. 8," an autobiographical piece by Dimitri Shostakovich.

Original pieces for band, all by modern British and American composers, will be featured by the Symphonic Wind Ensemble in its program Friday.

COMPUTATION SEMINARS

The Computation Center is still receiving suggestions for a Winter Term Seminar Series and welcomes additional ideas for seminars as well as expressions of interest in topics already noted (see Intercom on Dec. 13).

Contact Rosemary Hallenbeck, 863-4022, Room 214 Computer Bldg.

CAPITOL SERIES

The second program in the series, "Symposium on American Music and Culture — Rural Tradition," will be held at the Capitol Campus Tuesday, January 15, when Jo Belle, Bud and David Reed will perform.

The series, funded by a \$3,400 grant from the Penn State Foundation, will include performances and lectures during the Winter Term highlighting the folk/ethnic area of American music and focusing on authentic traditions. The series is being sponsored by the Cultural Program Committee in conjunction with the American Studies and Humanities program.

Afternoon workshops will be held in which performance techniques, the history and manufacture of folk instruments, traditions of American song, and the myths, stories and superstitions of rural America will be demonstrated or discussed.

Beginning January 17 and running each Tuesday through February 21 will be a special film series on American music and culture, supplementing the symposium program.

group of senior students on a two-day tour of New York's World Trade Center last month. Earlier in the Fall, his class observed the workings of two large architect-engineer firms in Detroit and Toledo.

Bringing education and practice together is another goal of Wheeler's, so he places particular importance on his students' senior projects. Under his supervision, they have developed comprehensive plans for structural design from an airplane passenger terminal to a medical research library. When they are finished, there is the added benefit of having a concrete project to show a prospective employer, and Wheeler spends many hours outside of class consulting students in career planning and showing them how to create attractive resumes.

His own career began at the University of Pennsylvania where he received a bachelor's of architecture degree in 1937, winning awards for the highest record in the five-year design course and for all-around ability. At M.I.T., where he earned a Master's in architecture, he garnered ad-

Course repeat filing period extension made

University students who missed the filing deadline for course repeat forms because of misinformation about the rule may appeal for an extension of the filing period.

The Administrative Committee for Resident-Edication Procedures has established a subcommittee to review appeals from students who missed the filing deadline during the 1973 Spring, Summer or Fall terms.

Appeals for courses previously repeated during any one of these three terms will be considered by the committee if received before Feb. 27.

Under present rules, a student may repeat a course in which he receives a grade of D or F, with the later grade used to calculate his grade-point average. All grades earned, however, remain on the student's academic record.

According to Martha A. Adams, subcommittee chairman, a written description of the reason for appeal should be submitted by the student to his dean or campus director with a completed "Course Repeat Notice" form.

If approval is granted, the approval statement should be forwarded, along with the student's written appeal, completed course repeat form and a \$3.00 filing fee, to Miss Adams, Room 275, Recreation Bldg.

The student and the appropriate dean or director's office will be informed of the committee's final review by the Records Office. If the appeal is not granted, the filing fee will be returned.

Students will follow the normal University procedures for filing course repeat forms for courses repeated during the current Winter Term.

Bus service

Bus service was resumed at University Park last Thursday using routes similar to those of last year, providing service at 15 minute intervals on each of two routes.

The fare, for the present, will continue at 10 cents.

Service on the Inner Loop will start at the East Halls area at 7:30 a.m. and run until 10:15 p.m., Mondays through Fridays, and until 12:15 p.m. on Saturdays. On the Outer Loop, buses will leave Graduate Circle and also the Hetzel Union Bldg., starting at 7:30 a.m. They will run until 6 p.m., Mondays through Fridays. There will be no buses on Saturdays. There are no Sunday buses on either route.

The Inner Loop, with buses leaving East Halls area on Bigler Rd., provides for the bus to run south on Bigler Rd., west on Pollock Rd., south on Shortridge Rd., west on College Ave., north on Burrows Rd., east on Curtin Rd., north on Shortridge Rd., and east on Park Ave., to Bigler Rd. at East Halls.

The Outer Loop, starting at Graduate Circle, provides for the buses to travel east on Hastings Rd., north on Porter Rd., west on Curtin Rd., south on Burrows Rd., east on Pollock Rd., north on Bigler Rd., east on Curtin Rd., south on Porter Rd., and west on Hastings Rd. to Graduate Circle.

Most of his professional experience was obtained with engineering firms. He has designed such structures as a \$46 million power plant, a \$20 million turbine generator industrial plant, an army surgical hospital, a nuclear reactor building, and an international airport terminal building.

Curtis-Wright brought him to Central Pennsylvania to work at the Quakertown plant, and he joined Penn State's faculty in 1954. During his nine years here, enrollments in his senior class have grown from seven students to 29, and he has found himself increasingly involved in student problems — to the point where most of his leisure time hobbies have gone by the board.

"In my teaching, I never criticize anyone openly in class," he concludes. "I think my job is to build up a student's confidence so that he may come to feel he has a great role to play. I think of myself as an educational coach helping each student realize his greatest possible potential."

Library Notes

Self-help guides to library research in more than 200 subject and interdisciplinary areas are now available in the Undergraduate Library.

The series, titled Pathfinders, was developed as a part of Project Interact at Massachusetts Institute of Technology and now is published and revised by the Addison-Wesley Company. The guides are meant to aid library users as they need to locate research resources for term papers, speech reports, or more advanced research. Designed by subject librarians, the guides are one-page briefs annotated with references to the Undergraduate Library.

at library has produced "Guides to library search in selected subject areas, a bibliography."

The guides are considered a breakthrough in reference services for library users and capability designed into the series will enable library users to save time in the initial stages of library research.

The Pathfinders may be duplicated, the publisher having approved this copy service.

The Main Undergraduate Library now has college catalogs on microfiche. The fiche collection is from Microfiche in Denver, Colorado, and includes graduate and undergraduate catalogs. The microfiche is available for use with the microfiche in the library. Since the collection represents a new type of service, a study is being made to evaluate student use of the collection and the quality of the materials in the collection.

The Circulation Department announces a change in procedures for personal reserves and locales. A personal reserve is a request by a prospective borrower for notification of the availability of a book. The request is charged out at the time the request is made. A loan may be placed on an item that is not found in its regular place in the library and is charged out. All the time the request is made. Notices concerning the locales will no longer be sent to the patron. Patrons must now check back at the Circulation Desk for a report on items being located.

Pattee Library now offers two brief (audio) taped units on the card catalog. The first, titled "How to Use the Card Catalog," introduces the user to the card catalog, an explanation of the difference between Dewey and Library of Congress call numbers. The second tape explains how to determine the proper terms to use when searching the subject catalog. Each unit consists of an audio tape and an illustrative notebook. Both are available at the Information Desk in the Card Catalog Room, Central Palace.

Staff vacancies

To make application for the vacancies listed below call 865-1387 (Network 475-1387) or refer to:

THURSDAY, JANUARY 24, 1974

BOOKSTORE MANAGER VICE PRESIDENT FOR BUSINESS University Park

Responsible for the effective and efficient operation of the University Park Bookstore, including revision of bookstore personnel. Responsible for financial aspects of the bookstore. A Bachelor's degree, or equivalent, and acquired knowledge, books, and seven to ten years of effective bookstore experience, preferably in the management of a large and extensive University bookstore operation, are preferred.

SUPERVISOR, AGRICULTURAL COMMUNICATIONS OFFICE

COLLEGE OF AGRICULTURE
University Park

Responsible for the operation of the Agricultural Communications office, including training and supervision of clerical and technical support employees, processing of press, radio, television, and publications, and making surveys to improve educational systems. High school education with two to two years of business school training and at least three years' experience are preferred.

INSTRUCTIONAL TELEVISION PRODUCTION SPECIALIST

UPDS
University Park

Responsible for assisting faculty and departments in developing educational materials for presentation on television. Responsible for personnel directing color television productions. A Bachelor's degree, or its equivalent in related training and experience, and two to two years of effective television in open- or closed-circuit television production are preferred.

ADMINISTRATIVE ASSISTANT MANAGEMENT SERVICES

University Park

Responsible for assisting in the selection, planning and coordination of departmental personnel. Also responsible for assisting with departmental project budgeting, performance reviews, administrative services. A Bachelor's degree, Accounting, Education, or Business, and one to two years of effective experience are preferred.

PROGRAMMER ANALYST C

COLLEGE OF AGRICULTURE
University Park

Responsible for the development of new computer programs and the maintenance of existing programs. A Bachelor's degree with a major in math, statistics or computer science, or equivalent, and one to two years of effective programming experience are preferred.

NEWS —

(Continued from page one)

zon," by Dr. Gerard J. Brautl, professor of French, has been awarded the "Prix Paul Adam-Even" by the Académie Internationale d'Héraldique. The international society of heraldic specialists, it is awarded every two years to recognize outstanding achievement in heraldic research.

Dr. Brautl's book, which was published early last year by the University Press, is his second book on medieval coats of arms, and he has written many articles on the subject as well.

CHILDREN'S GAMES

The games and educational gymnastics class for children of University faculty and staff members and of townpeople still has opened. The class meets in White Bldg. every Thursday from 4 p.m. to 5 p.m. Anyone interested may call 865-7591 or bring children to class on Thursday at 4 p.m.

FACULTY WOMEN

The 25th anniversary of the Faculty Women's Club at the University Park campus will be observed Saturday, Jan. 19, with a Brunch at the Nittany Lion Inn, from 10 a.m. to noon. A short musical program will be presented by the Hy-Los, a singing group within the Penn State Glee Club. All Faculty Women's Club members are invited to attend. Reservations may be made by contacting Mrs. Audrey Key, 923 McKee St., State College, through Jan. 14.

ENERGY

(Continued from page one)

on architectural practice, he is a consultant to a number of firms in this country and Canada, has received several research grants from the American Institute of Architects, and authored two books on emerging techniques of practice. Through his efforts, 19 conferences have been held at Penn State on such specialized topics as practice management, documentation systems, and architect-engineer coordination. He also brings professionals in on a one-shot basis to speak to his classes, being careful to involve students with all his visitors as much as possible.

"I've tried to create a greater awareness at Penn State in the architectural and engineering professions," he explains, "because the better known we are, the easier the time our students will have finding jobs."

Student field trips are an important part of an architectural engineer's education, Wheeler believes, which is why he led a

PENN STATE intercom

Volume 3, Number 18

January 17, 1974

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

Members of Select Committee on Governance announced

President tells Senate of increased appropriation request

The University's 1974-75 State appropriation request represents an 11 per cent increase over the current appropriation, President Oswald told the University Faculty Senate last week.

Dr. Oswald said the request is based on an anticipated 1% to 2 per cent enrollment increase and places "overwhelming emphasis" on salaries and staff benefits.

Noting that the University has been under pressure to bring tuition to \$1,000 annually, he said there has been no discussion about next year's tuition but anticipates there will be "a modest kind of increase in the direction of the \$1,000 level."

Dr. Oswald reported that a developmental year to aid educationally disadvantaged students will be offered beginning in the Fall Term, 1974. The program, developed in cooperation with the State Department of Education, provides for individual curricula designed to help alleviate academic deficiencies.

Pointing out that 47 per cent of the students who entered Penn State four years ago under the Educational Opportunity Program will graduate this spring, Dr. Oswald said this compares with a 64 per cent graduation rate for regularly admitted students.

Concerning the energy crisis, Dr. Oswald told the Senate that the University

has received "great response and tremendous cooperation" to guidelines relating to the crisis, with an Energy Conservation Committee presently analyzing the situation and taking necessary steps.

"We are not in a position where we see any need for critical or precipitous action, but are taking steps to augment the committee with appropriate academic officials so they can interrelate."

He assured the Senate that no action that affects academic programs will be taken without contacting the academic committee involved.

In clarification of a proposed tenure policy, Dr. Oswald said the proposal suggests a University-wide system of peer review in place of review by individual colleges.

In formal action, the Senate approved appointment of a joint Senate-Administrative Select Committee to study the faculty's role in University governance.

Approval of the motion, proposed by Dr. Arthur O. Lewis, came after discussion in which a number of senators criticized the Senate's role in University governance. Under a unanimously adopted amendment, the committee is to be appointed jointly by the Senate chairman, who will select four senators, and the University president, who will name four administrators.

The committee is to pay special at-

tention to the role of the Senate, is to recommend means for improvement of the role of the faculty and the Senate "if necessary," and is to recommend "means for better communications within the University community."

COMMITTEE NAMED

President Oswald and Dr. E. L. Borgman, Faculty Senate chairman, have announced the composition of the joint Select Committee noted in the Senate report will be the following:

Prof. Robert S. Friedman, political science, chairman.

Prof. Ernest E. Fryer, psychology, Behrend Campus.

Prof. Morris E. Schroeder, agricultural engineering.

Prof. Helen I. Snyder, educational psychology.

Dr. James B. Bartoo, dean of the Graduate School.

William J. David, director, Hazleton Campus.

Dr. Stanley O. Kenberry, senior vice president for development and relations.

Dr. Stanley F. Paulson, dean, Liberal Arts.

The special committee would present its report and recommendations to the Senate not later than the May, 1974, meeting.

News in brief

PHILOSOPHY DINNER

Because near blizzard conditions last month forced the cancellation of the 50th anniversary dinner of the Department of Philosophy, the event has been rescheduled for Wednesday, Jan. 30.

The invitational affair, to be held at the Nittany Lion Inn, will be attended by faculty members from the Department, its graduate students, and representatives of the University administration, including President Oswald.

The guest speaker of the evening will be Dr. Paul Weiss, professor of philosophy at Catholic University of America.

FACULTY WOMEN

The Faculty Women's Club of Penn State at University Park Campus will celebrate its 25th Anniversary with a Brunch at the Nittany Lion Inn, Saturday, January 19, from 10 a.m. to noon. A short musical program will be presented by the Hy-Los, 12 members of the Penn State Glee Club. All members of the Faculty Women's Club are invited to attend. Reservations may be made by contacting Mrs. Audrey Key, 923 McKee Street, State College, through January 14. There will be no refunds after January 16.

QUESTIONNAIRE

More than 35,000 questionnaires will be mailed this week to faculty, staff members, and students to obtain information about travel to and from the University.

The data collected will be used by the researchers conducting the University-sponsored transportation study and the Centre Region Area Transportation Study (CRATS) to help forecast the need for highway, parking, transit, bicycle and pedestrian facility improvements.

TERRACE ROOM DINNER

An International Candlelight Dinner will be staged at the HUB Terrace Room Wednesday, Jan. 23, with appropriate menu, decorations, and entertainment. Service, as usual, is from 5 p.m. to 6:45 p.m. The menu will include veal Cordón Bleu, corned beef and cabbage, Swedish meat balls, French fried chicken, and shrimp curried with rice. Marilyn Grochowicz, senior majoring in voice and a part-time helper at the HUB, will sing; she is capable in four languages. The Hy-Los, select group singing in the Penn State Glee Club, will also sing.

COMET WATCH

The Department of Astronomy's Comet Watch Program, tickets for which are still available for Jan. 19 and 26, has new hours, since the change to Daylight Savings Time. The watch is now held from 6 to 8 p.m. Tickets are issued for half-hour intervals and faculty and staff members wishing to take advantage of the Observatory's offer may call 865-0418.

AAUW BOOK COLLECTION

The method of collecting books for the AAUW benefit drive has been changed, recognizing limitations imposed by the current gasoline problem. Henceforth, AAUW members living near the donor will be advised that a donation is to be made and, combining that trip with other errands, the member will pick up the donation. This avoids the problems of driving over a wide area on a regular monthly tour of collecting, as done in the past. However, donors are still urged to deliver

(Continued on page four)

Interest in major in teaching exceptional children has mushroomed

Special help needed by many children, not only retarded

The head of Penn State's special education department, Dr. Joseph L. French, found his research thrust early by helping exceptional children do the unexpected.

As a graduate student, first at Illinois State and later at Nebraska, he developed an intelligence test which has salvaged youngsters once regarded as uneducable.

"Working with exceptional children, I was frequently called on to determine whether they had the intellectual potential to profit from various training programs," Dr. French explains. "I found that sometimes even the most severely handicapped could be helped, so I began to work on a test to determine the general mental ability of children under eight who couldn't talk."

The test, which has been published by Houghton Mifflin, utilizes pictorial shapes. A trained examiner asks the child questions about geometric figures and line drawings printed on cards spread out before them. Even a child who is unable to talk or strapped to a bed can respond by eye movements, thus enabling the examiner to assess his intelligence.

"Most of the severely retarded can be better than they are," Dr. French points out. "They can be taught such self-help skills as eating or toileting and learn how to protect themselves from traffic, to make simple purchases, and perhaps attend the movies. Our goal is to try to help them live more normal, natural lives."

"Too many people, however, still think mental retardation and special education are synonymous. That's just not true. Lots of children who aren't mentally retarded need special help."

"This fact is now beginning to be recognized in Pennsylvania, and programs have been formulated to deal with children who

are emotionally disturbed or neurologically impaired. The term 'learning disabled' is catching on to identify children of average intelligence who have disabilities which cannot be explained by sensory impairment, mental retardation, or language problems."

Dr. French's entry into the field of special education was serendipitous. Right after the close of World War II, the discipline began to grow, and Illinois State, which he was then attending, obtained funds to build an outstanding laboratory school facility. People with handicapped children came from all over the State to use the new school's services, and Dr. French got a job there as a psychologist.

"Part of the reason they hired me," he recalls, "was because I was also a sports-

writer! I had worked on the local paper as an undergraduate, and Illinois State needed someone to do sports publicity. The clinic only wanted to pay a psychologist half time, so I got the chance because they could give me salary with the publicity department."

Despite the fact that he managed to place his stories regularly in the Chicago papers — the goal of all Illinois publicists — Dr. French gradually began to devote more and more time to the clinic and to teaching psychology. He remained on the staff five years (although two of them were spent on leave for military service in Germany during the Korean war) before moving on to Nebraska for his doctorate in

(Continued on page two)



Dr. Joseph L. French — "Sometimes even the most severely handicapped could be helped."

Honors

Dr. Henry S. Albinski, professor of political science, has been awarded a Fulbright-Hays Senior Scholar grant to Australia, the main purpose of which is to conduct a major, book-length study of foreign and defense policy under the new Australian Labor Party government, which was elected to office in December of 1972. The host institutions in Australia are the University of Sydney and the Flinders University of South Australia. At both institutions, on a visiting professorship basis, he will be offering special seminars and lectures on Australian foreign policy and political process.

The Fulbright to Australia represents a continuing interest and activity in Australian politics and foreign policy for Dr. Albinski. In 1963-64 he was Visiting Fellow in International Relations at the Australian National University, and in 1970 a Visiting Professor of Political Science at the University of Queensland. Among five

published books, two deal with Australia as such, and a third with Australia and Canada. He has also published three major monographs on Australian politics, as well as a number of book essays and journal articles.

Dexter N. Putnam, professor of dairy science extension, has been named winner of the 1973 Pennsylvania Dairymen's Association Award of \$100 and an inscribed plaque "for valuable and noteworthy contributions to the state's dairy industry." The award was presented to him January 8 at the Association's 103rd annual meeting in Harrisburg as part of the 58th Farm Show. Established in 1922, the awards program is designed to give recognition to a member of the Cooperative Extension Service staff for aid to the Commonwealth's largest agricultural enterprise.

Dr. Judith Mottet, assistant professor of English at the Behrend Campus currently on leave in Stockholm, was notified that her two poems in the March, 1973, issue of "Poetry" magazine gained her the Eunice Tjeltens Memorial Prize. She has received two grants from Swedish

foundations to support her work translating Swedish poetry; she also received a Fulbright-Hays scholarship to enable her to study in Sweden.

James H. Miller, transportation specialist and research assistant at the University, and Dr. John C. Rea, who was assistant professor of civil engineering at Penn State before assuming a position with the Canadian Transportation Commission, will receive the Ryke J. Kuykendall Award of the National Highway Research Board for the best paper in the area of administration and planning of transportation facilities. The award will be given at the Board's annual meeting later this month.

Dr. Rea and Mr. Miller studied six transportation models, primarily in the area of busing, and a low non-rail transit systems, to determine which was the best.

Dr. Sigmund S. Birkenmeyer, professor of Slavic Languages, has been elected President of the newly founded Association for the Advancement of Polish Studies. He presided over the first meeting of the charter members of the Association, held in Chicago on December 28, 1973.

Students enrolled from all counties

Ninety three per cent of the students enrolled at Penn State this year are from Pennsylvania, and they represent every county of the State. The 2,786 from out of the state but from this country represent every other state and the remaining 6.4 most of them graduate students, represent a variety of other countries.

The annual summary of enrollment during the current academic year includes 6,658 Continuing Education students to whom a county designation is not listed. Allegheny County with 5,279 students more than 10 per cent of the Pennsylvania total, tops the list of Pennsylvania counties followed by Centre with 3,977; Philadelphia with 3,418; Montgomery with 2,420; and Delaware County with 2,102.

Others among the 16 counties with enrollments exceeding 1,000 are: Westmoreland 1,604; Erie 1,597; Blair 1,539.

Among the out-of-state students, there are 794 from New York and 703 from New Jersey.

Appointments

Dr. John J. Romano has been named assistant dean for undergraduate studies in the College of the Liberal Arts and assistant professor of social science at the University. He succeeds Jack H. Vincent, who retired as assistant dean on Jan. 1.

Dr. Romano, who obtained his doctorate in counselor education at Penn State in 1972, had served as a residence hall staff coordinator and administrative assistant to the dean at the University from 1970 to 1972.

During the past year, he has been assistant to the vice president for student affairs and an assistant professor of education at the University of Delaware.

Dr. Romano earned his master's degree at Springfield College in guidance and counseling and his bachelor of science in secondary education and physics at the State University of New York at Oswego.

Elizabeth Rawson, a fellow of New Hall at Cambridge University, is serving as a visiting lecturer in classics and political

science for the Winter Term and a part of the Spring Term.

Her visit is sponsored by the Department of Classics and the Department of Political Science.

The author of numerous articles and books on topics ranging from Greek tragedy to Greco-Roman political thought, Miss Rawson wrote the widely acclaimed study, "The Spartan Tradition in European Thought," analyzing the influence of the Spartan political system on later political thinkers, including the Fathers of the American Revolution.

During her stay at Penn State, Miss Rawson will teach a course in Cicero and "Directed Reading in Political Science: Greco-Roman Political Theory." She will also conduct several faculty seminars in the Department of Political Science.

Gaylene P. Doucette, as instructor in physical education at the Shenango Valley Campus. A graduate of Kent State University, Miss Doucette is a candidate for the master's degree at Youngstown State University. She was a teacher in the schools of Youngstown, O., and Austintown, Ohio.

SPECIAL HELP NEEDED —

(Continued from page one)

education and a year on the faculty there. Penn State claimed his services in 1964, and he became a department head five years later in addition to holding the title of professor of special education and educational psychology.

Student interest in the education of exceptional children major has mushroomed recently, partly as a result of decreasing job opportunities in such fields as elementary and secondary education. Enrolling some 15 students six years ago, the major at the University has now grown to over 400.

"To keep handicapped children in a regular classroom setting, the field more and more is going to the use of itinerant teachers," Dr. French comments. "Peer group stimulation is recognized as very important for exceptional children, and an itinerant can either work in the classroom or remove the child only briefly to a resource room in the same school."

In addition to identifying children with the potential to do more than society thought they could, Dr. French's research has also involved the education of the gifted child. President of the Association for the Gifted, a division of the Council for Exceptional Children, he helped draft and testified in favor of the Gifted and Talented Children Education Assistance Act which was passed by Congress in 1970.

As chairman of the Advisory Committee to the National Regional Resource Center in Pennsylvania, he helps direct State efforts to seek new delivery systems for special education in the Commonwealth. He is also a member of the State Advisory Committee for Special Education, a general policy making body which makes recommendations to the Bureau of Special Education in Harrisburg.

Because he enjoys mixing activities, Dr. French serves as a consultant to a

home for crippled children in Philadelphia and as a hearing officer throughout the State in cases where parents have protested their child's school assignment — usually in a room for the mentally retarded.

Among other activities, he is an elected member of the board of directors of the "Journal of School Psychology" and was elected a member-at-large of the American Psychological Association's Division of School Psychology Executive Committee. On campus, he is chairman of the interdisciplinary graduate program in school psychology and a member of the University Senate.

The father of four children, Dr. French has been active in scouting in the community, and, concerned over the lack of activities for teen-agers in State College, he for a time leased a house and turned the ground floor into a youth center. He enjoys sports and recently took up jogging, averaging three miles a day several times weekly.

Although he works in a field where the layman would quickly become discouraged, Dr. French doesn't look at it that way.

"The big thing to keep in mind," he says, "is to find ways in which children can have a breakthrough to do things their teachers or parents or they themselves never thought possible. If we can help them accomplish this, it's very satisfying."

SAFETY SUGGESTION

While local fire officials have not yet reported a case where a motorist, carrying extra gasoline in a container in his trunk, has had a fire, such reports have come from other towns and cities, which prompts University Safety Division personnel to warn that such a practice could disaster.

The explosive nature of gasoline is so violent that a car could be demolished within seconds if the gasoline is ignited by a spark, occurring in one of many ways.

Houp, English, retires after 33 years

Kenneth W. Houp, associate professor of technical writing, retired from the Department of English January 1. Professor Houp earned his undergraduate and graduate degrees at the University of Pittsburgh and came to Penn State as an instructor in English composition in 1939, was named assistant professor in 1945, and associate professor in 1949. Originally interested in grammar and exposition, he wrote two books in these areas: "Elementary Grammar and Workbook" (1946) and "Explanatory Writing" (1949). The research involved in both undertakings, together with a growing concern over the need for better communications in business and industry, accelerated his concentration on a new interest: technical writing. Subsequently he published "The Writer's Resource Book" (1954), and, working with Margaret D. Bickle, "Reports for Science and Industry" (1958). His most recent publication, "Reporting Technical Information," written in collaboration with Thomas E. Pearsall of the United States Air Force Academy, is now in its third printing. In a part-time ca-

capacity, he is an advisor to industry in technical writing and editing. In addition to a 19-year association with HRB Singer, Inc., State College, he acted as a consultant to the U.S. Army Ballistics Research Laboratories at the Aberdeen Proving Ground, to the Vertol Division of the Boeing Aircraft Company, the Westinghouse Nuclear Research Laboratory, the Scott Paper Company, and the Calgon Corporation in Pittsburgh.

In writing

Dr. Leon F. Lyday, associate professor of Spanish at the University, has edited a text anthology of one-act plays for Spanish America. Entitled, "En un acto. Nueve piezas hispanoamericanas," and in collaboration with Prof. Frank Dauster, Rutgers University, the volume was published by D. Van Nostrand Co. and is signed for use at the Intermediate and advanced levels.

Funding Opportunities

For more information, call 865-1372 except where noted below, and refer to the item by its number and the general information provided. People with grants information for this column should call the same number.

January 17, 1974

(112-1) The non-profit National Center for Housing Management created by Executive Order 11658 in 1972, wants to help colleges and universities either develop curricula or adapt curricula already developed by the Center. Future research activities may be subcontracted through the Center's housing management clearinghouse now being planned. The field of housing management for the elderly is emphasized. For additional information contact Chis Gilling, Office of Federal Programs, Washington, D.C. (202)293-7070.

(112-2) The NIH Postdoctoral Individual Research Fellowship and Postdoctoral Institutional Research Fellowship Programs (Div. 6 INTERCOM 110-5) have extended the application deadline date from Jan. 15 to Feb. 1, 1974. No applications past that date will be accepted for this competition.

(112-3) Grants for basic research in systematic and environmental biology are awarded by the Smithsonian Institution's Joseph Cummings Program (SFCP). Organized with an annual deadline of March 1, the program supports international and domestic travel, salaries, food, lodging, and scientific equipment costs in a country where the U.S. Treasury has determined that the U.S. holds currency in excess of its needs as a result of commodity sales. Other SFCP program deadlines are: museum programs — Sept. 1; and ecology related disciplines — Nov. 1; geophysics and earth sciences — Jan. 1. Contact Mr. Kennedy Schmeitz, Program Director, Smithsonian Institution, Joseph Cummings Program, Office of International Activities.

The problem of fire with gasoline is made more acute because many people store or transport gas (for example for their power mowers) in cans without adequate safety guards. Unfortunately many types of gas cans commonly sold are "unapproved" and so do not contain such provide proper protection, you must shop around. There is certainly should contain a spark arrester screen, among other provisions. Gasoline should be stored inside the house under any circumstances, because gas vapor buildup in an enclosed area is potentially very destructive.

ties, Smithsonian Institution, Washington, D.C. 20560 (202)381-5118.

(112-4) The new Alcohol Drug Abuse and Mental Health Administration (ADAMHA) (Div. 6 INTERCOM 210-3) supports Mental Health Research Grants in basic, clinical and applied research in toxicology, experiments, demonstrations, and studies. Areas of special interest include alcoholism prevention, early child care, crime, delinquency, narcotics, and drug abuse. Specific grants are supported in the areas of: 1. Techniques and for exploratory studies. The deadlines are Feb. 1, June 1 and Oct. 1. Contact Dr. Robert C. Petersen, Chief, Center for Research on Alcoholism and Drug Abuse, ADAMHA, 5600 Fishers Lane, Rockville, Maryland 20852 (301)443-1555.

(112-5) The Newberry Library (Committee on Awards, 40 W. Walton St., Chicago, Ill. 60610) offers fellowships for work in the library. Fellows ship typically pay \$350/month for students for their comprehensive examinations. Postdoctoral fellowships in History of the American Indian pay \$1,000 for 11 months and require a \$2000 contribution by applicant's home institution. Application deadlines are April 15 and Nov. 1. For further information write to address given above.

(112-6) Rotary Foundation (Rotary International, 1600 Ridge Ave., Evanston, Ill. 60201) offers fellowships for study abroad in fields except medicine for persons under 28. Application deadline is March 15. For further information contact your nearest Rotary Club or dress given above.

(112-7) Twelve-week student summer fellowships in marine policy, ocean management, ocean study will be awarded by the Woods Oceanographic Institution (application deadline March 1). The same organization will award postdoctoral grants in the same fields, the grants available by special arrangement. Apply before Jan. 15 for post doctoral fellowships in study and before March 15 for marine policy fellowships. For information on postdoctoral fellowships apply before Feb. 1. Write to the Dean of Graduate Studies, Woods Hole, Mass. 02543.

REMINISCES — DEADLINE DATES

Jan. 22 for NSF Service Fellowships in Metropolitan Areas (Nov. 8 INTERCOM #10-1). . . . Jan. 22 for NSF Local Government #10-1. . . . Jan. 22 INTERCOM #10-1 for NIE Grants for Research in Education (Jan. 10 INTERCOM #11-1). . . . Feb. 4 and several subsequent dates for NEA Museum Programs (Jan. 3 INTERCOM #11-1).

University Calendar

January 17-27, 1974

Special Events

Thursday-Friday, Jan. 17-18 — Five O'Clock Theatre, "Cowboys and Indians," by Lawrence Lebin. Thursday, at 5:20 p.m., Friday, at 7:20 p.m., Pavilion Theatre.

Friday, Jan. 18 — Folk and Square Dance Roundup, 7:30-9 p.m., North Gym, White.

Friday, Jan. 18 — Penn State Wind Ensemble, 8:30 p.m., Music Bldg. recital hall.

Friday, Jan. 18 — Commonsplace Coffee-house, 8 p.m., Room 102 Kern.

Friday-Sunday, Jan. 18-20 — JFC Second Annual Dance Marathon for the benefit of Central Pa. chapter, American Heart Association, HUB ballroom, beginning Friday at 11 p.m. Entry, \$15 per couple; prizes \$500, \$300, \$100.

Saturday, Jan. 19 — Penn State Singers, Gilbert and Sullivan, 3:00 and 8:30 p.m., Schwab.

Saturday, Jan. 19 — Chinese Student Association New Year Celebration, (dinner and entertainment), dinner served between 6 and 7:30 p.m., Rooms 102 and 104 Kern.

Saturday, Jan. 19 — Sports: Women's Basketball, vs. Edinboro State, 1 p.m.; Women's Fencing, vs. Ohio State, 10 a.m.; Men's Gymnastics, vs. Syracuse, 8:30 p.m.; Rec Hall; Wrestling, vs. Syracuse, 2 p.m.; Rec Hall; Men's Swimming, vs. Pittsburgh, 2 p.m.; Men's Rifle, vs. Villanova-West Virginia.

Sunday, Jan. 20 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

Sunday, Jan. 20 — Chapel Service, 11 a.m., Eisenhower Chapel. Doris M. Seward, executive assistant to the president.

Sunday, Jan. 20 — PSU Sport Parachute Paraskaling, 9 a.m., Stone Valley.

Monday, Jan. 21 — William Thomas, cello recital, 8:30 p.m., Music Bldg. recital hall.

Tuesday, Jan. 22 — Christian Science Organization, lecture, 7:30 p.m., HUB assembly room. Lecturer Harvey W. Wood, C.S.B., Chicago, on "Grow We Must."

Tuesday, Jan. 22 — Alpha Sigma Alpha, 8:30-11:30 p.m., HUB ballroom.

Wednesday, Jan. 23 — Artists Series, The Films of Luis Bunuel, "Nazarin," 8:30 p.m., Schwab.

Wednesday, Jan. 23 — Renaissance-Baroque Concert, 8:30 p.m., Music Bldg. recital hall.

Wednesday-Friday, Jan. 23-25 — 5 O'Clock Theatre, "Now That Ed's Gone," by Malt Cutugno. Wednesday-Friday at 5:20 p.m., Friday at 7:20 p.m., Pavilion Theatre.

Thursday, Jan. 24 — Sports: Women's Basketball, vs. Gettysburg, 3 p.m.; Women's Bowling, vs. Gettysburg, 3 p.m.

Thursday, Jan. 24 — Benefit concert, sponsored by L'Ailliance Francaise, 8 p.m., Music Bldg. recital hall, with pianist Phyllis Trio, violinist Claire de Chevill-

ly, and flautist Nancy Hadden. Tickets required; may be purchased at door.

Friday, Jan. 25 — Artists Series, Contemporary Chamber Ensemble, 8:30 p.m., Schwab.

Friday, Jan. 25 — Commonsplace Coffee-house, 8 p.m., Room 102 Kern.

Saturday, Jan. 26 — Sports: Men's Gymnastics, vs. Navy, 2 p.m.; Rec Hall; Women's Fencing, vs. Madison, 10 a.m., Schwab.

Sunday, Jan. 27 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

Sunday, Jan. 27 — Chapel Service, 11 a.m., Eisenhower Chapel. Jean T. Bowman, Christian Science practitioner, Pittsburgh.

Sunday, Jan. 27 — FSU Symphony Orchestra Young People's Concert, 3:30 p.m., Schwab.

Sunday, Jan. 27 — PSU Sport Parachute Club Paraskaling, 9 a.m., Stone Valley.

Sunday, Jan. 27 — Alpha Chi Omega Greek Sing, 1-4 p.m., HUB ballroom.

Seminars

Thursday, Jan. 17 — Philosophy, 4 p.m., Room 251 Willard. Dr. J. T. Price, Tuskegee Institute, and Dr. Joseph Kochele, "The Nature of Language."

Thursday, Jan. 17 — Chemistry, 12:45 p.m., Room 310 Whitmore. Barry Trost, University of Wisconsin, on "Innovations in Organic Synthesis."

Thursday, Jan. 17 — Physics, 3:35 p.m., Room 117 Osmond. James K. Watson, Ohio State University, on "Recent Developments in Theoretical Spectroscopy."

Thursday, Jan. 17 — Agronomy, 3:55 p.m., Room 301 Agri. Adm. J. H. Siern and R. Cole, on "Techniques at Rothamsted Experiment Station."

Friday, Jan. 18 — Population Issues, 2:30 p.m., Room 244 Deike. Dr. W. J. Kahley, economist, Lafayette College, and R. T. Gillaspay, on "Contraceptive Choice Among Family Planning Acceptors in Bogota: A Preliminary Analysis."

Monday, Jan. 21 — Plant Pathology, 9:45 a.m., Room 213 Buckhout. Dr. R. A. Krause, on "Extension Plant Pathology: Programs and Program Development for Agronomic Crops."

Monday, Jan. 21 — "Current Issues in Food and Agriculture," 1 p.m., Room 202. Bernard James P. Wiggins, animal industry, on "Animal Agriculture: Promise and Problems."

Tuesday, Jan. 22 — Operations Research, 3:45 p.m., Room 267 Willard. Dr. Matthew Rosenshine, on "Linear Systems Analysis of Markov Chains—1."

Tuesday, Jan. 22 — Geosciences, 4 p.m., Room 26 M. S. Thomas Wright, U. S. Geological Survey, Washington, D.C., on "The Columbia River Basalts."

Tuesday, Jan. 22 — Solid State Physics, 1 p.m., Room 445 Davey. Professor G. Whitfield physics, on "The Peierls Instability and the Frohlich One Dimensional Superconductors."

Tuesday, Jan. 22 — Chemical Engineering, 3:50 p.m., Room 140 Fenske. J. A. Tallmadge, Drexel University, on "Studies of Coating Processes and Drainage."

Tuesday, Jan. 22 — Entomology, 4 p.m., Room 215 Armsby, College of Agriculture Dean James M. Beattie, on "Outlook and Role of Land Grant Colleges in the Seventies."

Wednesday, Jan. 23 — Biochemistry, 4 p.m., Room 101 Althouse. N. Schroedl,

on "Studies of Hemoglobin Structure in Solution."

Wednesday, Jan. 23 — Analytical Chemistry, 8:30 a.m., Room 310 Whitmore. R. G. Whitely, on "Determination of First Row Transition Metals in the Aqueous Environment."

Thursday, Jan. 24 — Chemistry, 12:45 p.m., Room 310 Whitmore. Charles Johnson, University of North Carolina, on "Magnetic Resonance Studies of Tunneling and Rotation in Solids."

Thursday, Jan. 24 — Physics, 3:35 p.m., Room 117 Osmond. Peter D. Barnes, Carnegie-Mellon University, on "Nuclear Physics with K-Mesonlike Atoms."

Thursday, Jan. 24 — Mining, 4 p.m., Room 302 M. L. R. Elmore Grim, Mining Specialist, Mine Drainage Pollution Control Agency, Cincinnati, on "Contour Stripping Techniques."

Thursday, Jan. 24 — Agronomy, 3:55 p.m., Room 301 Agri. Adm. G. W. McKee, on "Interdisciplinary Approach to Agronomy Research."

Thursday, Jan. 24 — Central Pa. Section, AIAA, 4 p.m., Room 232 Hammond. Dr. William George ARL, on "Special and Temporal Resolution in Dynamic Flow Measurement."



Jon Taylor, one of the soloists in the Penn State Singers performance of the Gilbert and Sullivan opera "Trial by Jury" Monday, Jan. 19, at 9 p.m. and 8:30 p.m., in Schwab Auditorium.

Films

Thursday-Sunday, Jan. 17-20 — Arnold Air Society, Fritz the Cat, 7 and 9 p.m., Room 102 Forum.

Friday-Sunday, Jan. 18-20 — North Halls, "Little Big Man," 7:30 and 9:30 p.m., Room 105 Forum.

Saturday, Jan. 19 — Free-U children's films, "Melody Time," (Walt Disney), 12:30 and 2:30 p.m., HUB assembly room.

Wednesday, Jan. 23 — Commonsplace Theatre, "Mr. Smith Goes to Washington," 8 and 10 p.m., Room 112 Kern.

Thursday-Sunday, Jan. 24-27 — Arnold Air Society, "Stop the World," 7 and 9 p.m., Room 105 Forum.

Thursday-Sunday, Jan. 24-27 — Centre Halls, "My Fair Lady," 7:30 and 10 p.m., Room 102 Forum.

Friday-Saturday, Jan. 25-26 — U.S.G., "The Yellow Submarine," 7:30 and 10 p.m., HUB ballroom.

Saturday, Jan. 26 — Free-U children's films, "Jack and the Beanstalk," 12:30 and 2:30 p.m., HUB assembly room.

Exhibits

Museum of Art — African Sculpture, Gallery A. Prints and Drawings from Central Pennsylvania Collectors, Gallery C, opening Jan. 20.

Zoller Gallery — Emblems of Seduction. Kern Gallery — Western State College of Colorado Faculty Art Exhibition. David Latt, photography, until Jan. 24. Christopher Weiland, pottery. Central Pennsylvania Scholastic Art Exhibit, opening Jan. 25.

Pattee Library — Jean Furst, prints, West Pattee Lobby. Robert Kaufman, paintings, East Pattee Lobby. The Energy Crisis, display, Main Undergraduate Library.

HUB specials

The HUB Terrace Room has introduced daily special meals for both lunch and dinner at prices much below customary cafeteria prices ala carte. No substitutions are permitted to benefit from these reduced prices. For the next week, the features (all accompanied with appropriate side dishes and beverages) are:

Sunday, Jan. 20 — dinner, roast pork w/dr. \$1.95; supper, tuna potato chip casserole \$1.30.

Monday, Jan. 21 — lunch, Chili con carne \$7.35; dinner, spaghetti w/meat sauce \$1.95.

Tuesday, Jan. 22 — lunch, chicken chow mein \$1.30; dinner, lamb hot pot \$1.43.

Wednesday, Jan. 23 — lunch, Welsh rarebit w/ 1st \$1.15; dinner, corned beef & cabbage \$1.65.

Thursday, Jan. 24 — lunch, lasagne \$1.11; dinner, meatloaf \$1.25.

Friday, Jan. 25 — lunch, fish cakes \$1.22; dinner, French fried chicken \$1.45.

Saturday, Jan. 26 — lunch, beef potpie w/onions \$1.95; dinner, Maryland chicken steak \$1.59.

WPXS highlights

Should we stop the construction of nuclear power plants? Or, are they the only present guarantee of power for the future? These are the questions Thursday, Jan. 17, at 8 p.m. on WPXS-TV, Channel 3, when "The Advocates" debate "Nuclear Power: Plans: Yes or No?"

Phyllis Diller, Shelley Berman, George Kirby, and Ann Landers all appear when "Religious America: Things No One Presents" "Your Health Follies" Friday, Jan. 18, at 7:30 p.m. on WPXS-TV, Channel 3. The half-hour program combines songs and comedy with information on five serious health problems: hypertension, emergency medical care, dental care for young children, accidental household poisoning, and lack of exercise. The program, produced by WOED-TV, Pittsburgh, may also be seen Sun., Jan. 20, at 6:30 p.m.

The Chabad Lubavitch community, an orthodox, mystical sect of Judaism that thrives in New York City, is the subject of "Religious America," Sunday, Jan. 20, at 8:30 p.m. on WPXS-TV. The half-hour program includes scenes of an Hasidic wedding and other events in the lives of the community's members.

American convicts serve longer sentences than in any other Western country. Does this mean that they are better prepared for parole? This and other questions about the institution of parole are explored on "Parole" Monday, Jan. 21, at 8 p.m. on Channel 3. The hour-long documentary is an in-depth cinema verite study of prison life and marks the first time that national television cameras have been permitted to film actual parole proceedings in their entirety. The program, filmed at the Washington State Penitentiary, focuses on the case histories of two convicts who are eligible for parole.

Maxim Gorky's "Enemies" is the premiere performance of "Theatre in America" Wednesday, Jan. 23, at 8:30 p.m. on WPXS-TV. The drama, censored in 1906 by Russian authorities because it "forecast violence for the workers," was also long-neglected in Russia after the revolution. The two-hour performance by the Repertory Theatre of Lincoln Center stars Clara Nye, Frances Sternhagen, and Ellis Rabb.



On the Artists Series, Friday, Jan. 25, in Schwab Auditorium, the Contemporary Chamber Ensemble will feature Arnold Schoenberg's "Pierrot Lunaire" and George Crumb's "Ancient Voices of Children." Tickets are sold to students Tuesday, Jan. 22, and to the general public Wednesday, Jan. 23, in the HUB.

Wind ensemble, Singers, cello, and Baroque music planned

Modern wind music, Gilbert and Sullivan, cello music, and a Renaissance-Baroque recital are features of the music offerings for the next week.

Friday, Jan. 18, the Symphonic Wind Ensemble, directed by Smith Toulson and composed of 42 student musicians from all the colleges, will perform six compositions that British and American composers wrote for the band. Aaron Copland, Gustav Holst, and Dello Joio are among the composers whose works will be played. The program will be given in the Music Building recital hall at 8:30 p.m.

Saturday, Jan. 19, in performances at 3 and 8:30 p.m. in Schwab Auditorium, the Penn State Singers, directed by Raymond Brown, will perform the Gilbert and Sullivan

opera, "Trial by Jury," in entirety, along with excerpts from the collaborators' popular operas, "The Mikado" and "Ruddigore." The "Trial by Jury" opera was the first opera written. Stage director for the performance here is Jerry James, theatre arts graduate student, and John Roslevich is production designer. Edward Steele, Sheila McCarthy, Tommie Irwin, Dean Waller, John Taylor, and Donald Shell are featured singers.

William Thomas, graduate student in music, will give a cello recital Monday, Jan. 21, at 8:30 p.m. in the Music Building. He will perform sonatas by Franck and Debussy, accompanied by Philip Deitra, assistant professor of music, and Ros-

sinis' "Duet in D Major for Contrabasso and Violoncello," with Robert Mellin, part-time music instructor, performing on the bass. Wednesday, Jan. 23, also at 8:30 p.m. in the Music Building, vocal and instrumental music of the Renaissance and Baroque periods will be the feature. Nancy Hadden, part-time music instructor, and Douglas Miller, assistant professor of music, will sing works by Bach, Schuetz, and Caccini. An ensemble which includes Mrs. Hadden, John Hadden, graduate students Erin Headley and John Shannon, and undergraduate Charles Metz, will do works by Georg Telemann and Jean Baptiste Loeili, using gamba, recorders, harpsichord, natural horn, and flute appropriate to the period.

Benefit music program for travel grant

French music will be highlighted in a benefit concert Thursday, January 24, at 8 p.m., in the Music Bldg, sponsored by L'Alliance Francaise, an organization of University and other area residents interested in things French.

Phyllis Triolo, concert pianist. French violinist Claire de Chevilly, and Nancy Hadden, flautist, will be featured. Mrs. Triolo, well known locally, has performed on many campuses in the East and later this year will perform with the State College Symphony both here and at Lock Haven State College.

Claire de Chevilly, who lives in Aix-en-Provence, was graduated with honors from the Conservatory of Music at Brest and has studied with Jean Fournier, now professor at the Paris Conservatory. She has given many public concerts with organ

or piano in concert halls, churches and cathedrals in southern France and for Radio Lyon.

Mrs. Hadden, part-time instructor at the University, has performed frequently on campus in ensembles of baroque music and solo.

Money derived from the program will be combined with receipts from last year's program by Mrs. Triolo to provide for a travel grant to France in the Summer of 1974. The grant will go to a student in any college at University Park or at one of the Commonwealth Campuses. Alliance Francaise of Paris will aid the grantee in housing and travel arrangements.

Tickets, at \$1 for students (with ID card) and \$2.50 for non-students, will be obtained at the HUB desk from Jan. 21 to the afternoon of Jan. 24, or at the box office the night of the performance.

Artists Series features chamber group

Tickets for the Artists Series program by the Contemporary Chamber Ensemble will go on sale to the general public Wednesday, Jan. 22, at 9 a.m., and to students Tuesday, Jan. 22, at 9 a.m. at the HUB. The performance by the Ensemble will be given Friday, Jan. 25, in Schwab Auditorium, at 8:30 p.m.

Conducted by Arthur Weisberg, the Ensemble was founded in 1960 for the basic purpose of performing 20th century music composed for ensembles smaller than full symphony-sized orchestras. The group of 15 instrumentalists now plays an average

of 30 programs a year and last summer held its first European tour.

Featured with the Ensemble will be mezzo-soprano Jan de Gaetani, who will sing, with her daughter Francesca, George Crumb's "Ancient Voices of Children," and will be heard in the other work to be played, "Pierrot Lunaire" by Arnold Schoenberg. One of the most active singers of the 1972-73 season, Jan appeared in all of the major cities in chamber concerts and recitals and with the New York Philharmonic, San Francisco, Cincinnati, New Orleans and Atlanta symphonies.

5 O'clock Theatre has one-act play

The second 5 O'clock Theatre presentation in the Winter Term will be "Now That Ed's Gone." Written by recent Penn State graduate Matt Cutugno, this original one-act play will open on Wednesday, January 23 at 5:20 p.m., and is described by the author as a "basement comedy."

The play concerns two lamenting individuals who sit in a basement and discuss the loss of their late comrade, Ed. An-

other person joins the group, and the play studies the interactions and dynamics of triangle relationships.

Directing "Now That Ed's Gone," is Christine Littleton (undergrad, Theatre Arts) and associate director Richard Fall.

"Now That Ed's Gone" will also be presented in the Pavilion Theatre on Thursday, January 24 at 5:20 p.m. and Friday, January 25 at 7:20 p.m.

Art lectures

A three-part lecture series related to Medieval art will be inaugurated today (Thursday, Jan. 17) at 3 p.m. in the HUB assembly room when Dr. Reiner Hausscher, University of Bonn, West Germany, will speak on "The Bible Moralisee Text and Miniatures in a Group of French Illuminated Manuscripts of the 13th Century." Dr. Hausscher is currently a visiting fellow at the Princeton Center for Advanced Study.

The lectures were arranged by Dr. Jan van der Meulen, professor of art history, in conjunction with the Interdisciplinary Seminar on "Artist and Poet in the 12th and 13th Centuries," conducted by the art history and French departments. The seminars seek to explore the principles guiding Medieval art and literature and are receiving the support of the Institute of Arts and Humanities and the Interdisciplinary Program in the Humanities.

The other lectures will be held Feb. 7 and Feb. 14.

Museum show

The Museum of Art will open a show Sunday, Jan. 20, of prints and drawings from Central Pennsylvania collectors, the first of a planned series of exhibits selected from the holdings of area collectors.

The 110 works include etchings, drawings, woodcuts, serigraphs, lithographs, and watercolors, and are highly varied in subject and style. Spanning a period of time from the sixteenth century to the present, the works in the exhibit are by such masters as Albrecht Duerer, Marc Chagall, Paul Cezanne, Auguste Renoir, Pablo Picasso, and many others.

The selection of works was made by Benjamin Williams, curator of the North Carolina Museum of Art. The show is accompanied by an illustrated catalog.

Prints and Drawings by Pennsylvania Collectors will continue in Gallery C of the Museum through Mar. 3. In Gallery A, the African sculpture show will be on display through Feb. 3. Museum hours are noon to 5 p.m. every day but Monday, when the Museum is closed.

NEWS —

(Continued from page one)

books if they can, to one of the following points: 528 E. Hamilton Ave. (rear); 424 Douglas Drive (garage); 2-E Graduate Circle; 617 W. Main St., Boalsburg; or 130 E. Linn St., Bellefonte. Call 237-8088 if unable to deliver books.

BUS TOKENS

The Department of Transportation has available bus tokens for use on the University buses which began running again January 3. The tokens may be purchased by other departments at the rate of \$4.00 per roll (of 40 tokens), through Interdepartmental Transfers. It would be helpful to make the IDT out to the attention of Becky Hubler.

Affirmative action program refinements

Further refinements in the University's affirmative action program are being made following recent conferences with representatives of the Office of Civil Rights, Department of Health, Education, and Welfare.

During the conferences, OCR representatives recommended that the University further expand upon its statements of University policies as they specifically apply to equal employment opportunities for minorities and women.

Also recommended was incorporation into the affirmative action plan of a description of how the University recruits, employs, promotes and terminates personnel, how it corrects deficiencies in employment practices, and similar procedural matters covered by other University regulations but not presently incorporated in the affirmative action program.

Library Notes

Reserve reading lists for Spring term 1974 are to be submitted to the Main Undergraduate Library on or before January 31, to allow enough time for processing. Lists received after the deadline will be accepted if the material requested is not needed until the beginning of the third week of classes.

The January 31 deadline provides a reasonable amount of time to order books and to prepare available materials for reserve.

Only required readings, which will circulate either for a two-hour period or for an overnight loan period, will be placed on reserve.

Lists should be submitted on reserve form which are available by mail or in person from the Undergraduate Library, 1011 Patton. Lists should be typewritten and contain full bibliographical information, including the author's name, title, publisher and the date of publication.

The Reference Department of Patton Library is offering additional help in students this term. Any student who is writing a paper who has problems finding information in the library should register the topic of the paper at the Reference Department Desk, First Floor, East Patton. Librarians will then meet with students at any one of the following times: January 16, 17, 23 and 24 at 2:00 p.m. Registration in advance is required.

Faculty resource

The Faculty Resource List that the Offices of Student Activities and Student Residential Life Programs have been compiling is now ready for distribution. The List is divided into three sections: (1) alphabetical listing of titles/topics with faculty names arranged in forty categories; (2) alphabetical listing of faculty names with titles/topics; and (3) names, addresses, and telephone numbers of University administrators.

The list will be distributed to resident assistants, residence hall student government, sororities, fraternities, major student organizations, and the dean's office. Additional copies will be available in the Office of Student Activities, 202 Helms Union, and the Office of Residential Life Programs, 330 Boucke Building.

The generosity of faculty and staff in responding to the survey that was mailed to them in October is most appreciated.

A total of 250 usable responses from as many as New Delhi, India, were received.

The purpose of the Faculty Resource List is to aid student organizations, organizational advisors, and all other members of the University community in preparing extra-curricular programs and in fostering meaningful interaction between students and faculty members.

Staff vacancies

The following vacancies for positions classified as staff or nonexempt have been listed with the University Employment Division for filling. This announcement is made so that University employees who are interested in promotion or application by calling the Employment Division, 665-1171 (Network Line 475-1387). Applications for the staff vacancies will be accepted until 5:00 p.m. Thursday, January 24, 1974.

5 P.M., THURSDAY, JANUARY 24, 1974

COUNSELOR, CAREER DEVELOPMENT AND PLACEMENT
Altoona Campus

Responsible for individual and group counseling, focusing primarily on educational/vocational concerns; assisting with pre-registration testing; personal counseling and orientation; provide consultation to other members of the Student Affairs staff; and to the campus community. Master's degree in Clinical Psychology or Counseling or equivalent. Counselor Education or related area and a minimum of three years applicable experience preferred.

MANAGER, FOOD SERVICE
Hershey Medical Center

Responsible for planning, organizing and directing Food Service Department of the Medical Center. Bachelor's degree or equivalent with 1-4 years experience in Food Service.

Application for such vacancies are considered without regard to race, color, creed, sex, or national origin.

THE UNIVERSITY IS AN EQUAL OPPORTUNITY EMPLOYER



Thomas Hammonds (left), retiring Jan. 31, presented to the University, Continuing Education in particular, his framed "rub" of a brass floor plate in a cathedral in Gloucester, England. The rub was made by Newwood A. Hedden, who retired from the University two years ago. Hammonds framed the rub. With the "rub" is Hammonds' wife, Dorothy. Tom was special assistant to the director of Continuing Education for media learning resources. The rub will hang in the J. O. Keller Building.

PENN STATE intercom

Volume 3, Number 19

January 24, 1974

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

Problems seen in plan for administrative structure

U. Council rejects Commonwealth Campus proposal

The University Council last week suggested that alternate means might better achieve the goals sought by the Proposals for New Administrative Structures to Implement Provisions of the Academic Policy Plan Relating to Commonwealth Campuses.

In accepting the report of a sub-committee appointed to prepare recommendations to the University Administration, the Council indicated the very diversity of the University made it difficult for a single model to serve in all cases.

The Council sub-committee was especially concerned with the development of a system that would assure equality of eval-

uation of all faculty members regardless of location or assigned duties. This is also a major objective of the proposal.

Two problems in particular concerned the Council sub-committee. One was the "conglomerate" effect of placing associate degree work, continuing education and lower level baccalaureate programs within the same administrative framework. Pointing out the growing role of continuing education and the likelihood that senior and graduate faculty would become increasingly involved in it, the Council found the separation inappropriate. Moreover, it was pointed out that in many departments at University Park, senior and graduate

faculty also teach at the beginning course level, which would be separated administratively by the proposed structure from upper level and graduate work.

The Council also sensed problems in placing faculty in more generalized discipline categories. This has been an excellent model in the College of Engineering, where the General Engineering Department is in charge of all associate degree courses in engineering. The faculty has a strong community of interest, even though its members come from different engineering fields. The same cohesiveness probably would not be present, for ex-

(Continued on page four)

Penn State officials had major role in development

Higher education financing plan revealed by PACU

University officials played a key role in development of a comprehensive proposal for financing higher education in Pennsylvania in the next decade, which was unveiled in Harrisburg last week.

The plan, including support for both public and independent institutions and direct student aid, was disclosed at a news conference by the Pennsylvania Association of Colleges and Universities, which represents 17 public and private universities and colleges in the State.

It is believed to be the first time that a State association embracing all sectors

of higher education agreed on a single overall State financing plan.

President Oswald serves as association secretary-treasurer and represented the four State-related universities at the news conference. Dr. Stanley O. Kenberry, senior vice president for University development and relations, and Dr. Larry L. Leslie, professor of education, were members of the document-writing team.

Besides recommending State aid to private colleges, the plan calls for expansion of State grants to low and middle-income students.

Noting that tuitions at public colleges and universities in the State are among the highest in the nation, the report said they should not be raised "for the foreseeable future." It also recommended that independent institutions make "concerted efforts to control tuition increases."

Specific proposals involving aid to students and institutions included.

—Raise the maximum Pennsylvania Higher Education Assistance Agency grant from \$1,200 to \$2,000 and fix the family income ceiling at \$20,000 annually rather than the

(Continued on page four)

Kardos has second career in living filter project

To the layman, it may be just a bunch of dirt, but Dr. Louis T. Kardos has devoted most of his life to soil and its chemistry, so he sees things somewhat differently.

"Soil is the matrix in which all our staple foods are grown," he says, "the reservoir for our water, the habitat for a tremendously complex microorganic population. It is an extremely complicated system which has developed as the result of tens of thousands of years of physical, chemical, and biological processes."

Ever since his first acquaintance with

soil chemistry — as an undergraduate at Rutgers in the early 'thirties — Dr. Kardos has been investigating soil's fertility, its structure relations, irrigation, and management. His extensive experience laid the groundwork for what in the past 12 years has become a second and almost entirely new career as one of the founding fathers of Penn State's "living filter" project.

Widely publicized, the living filter is a method of disposing of sewage effluent by spraying it on agricultural or forest lands. There the effluent not only acts as a fer-

tilizer but is also completely purified and cleansed by the soil by the time it has returned to the ground water. Recently, the project has also been experimenting with returning sewage sludge to the land.

Dr. Kardos has been actively involved in the project from its inception and in 1968 became coordinator of the Waste Water Renovation and Conservation Research Program as it is formally known.

"All of a sudden, I've had to learn about sanitary engineering and waste water treatment plants," he notes. "There have been a number of new consulting activities as other universities, industries, and municipalities have sought to learn about the project."

Last year alone, for example, Dr. Kardos lectured on the waste water project at Connecticut, Massachusetts, Michigan State, and Missouri universities.

Although his studiousness as a boy earned him the nickname, "Doc," Dr. Kardos's decision to enter graduate school and the field of soil chemistry was based solely on economic considerations — specifically, the chance to earn an extra \$12.50 a month.

"I started college in 1928," he recalls, "and by the time I was ready to graduate in 1932, two of my brothers were on W.P.A., and my parents' savings account had been wiped out. I had majored in chemistry and also sandwiched in enough education credits to be certified for teaching, but there were no jobs in either industry or the schools."

"From my junior year on, I had worked part time doing analytical chores for a soil chemist at Rutgers, and he offered me an assistantship at \$37.50 a month. I could have had one in analytical chemistry,

(Continued on page four)



Michael Baker, Jr.

Board reelects Baker chairman

Michael Baker, Jr., of Beaver, was re-elected to his second term as president of the Board of Trustees last week, and Willem K. Ulerich, of Clearfield, was named vice-president for his second term, both for one-year terms.

Mr. Baker, chairman of the Board, Electronics Systems Corp., Beaver, was first elected to the Board of Trustees by alumni in 1964. Mr. Ulerich, who is president of Progressive Publishing Co., Clearfield, serves as an appointee of the Governor. He was first named to the Board in 1951, served until 1956, and then again was appointed in 1964.

Re-elected to the Executive Committee were H. Jesse Anelle, San Francisco, Calif.; Frederick J. Close, North Madison, O.; Dr. Helen Davies, Philadelphia; Charles T. Douds, Camp Hill; Ralph Hetzel, Jr., Hudson, O.; J. Lin Huber, St. Thomas; Charles P. Neidig, Haverford; Ridge Riley, Boalsburg; Hardy Williams, Philadelphia; J. Lewis Williams, Uniontown; and Dr. Helen D. Wise, Stato College.

Trustee actions

Among other actions taken by the Board of Trustees last weekend at its meeting at University Park were the following:

Approved a change in name for the Pennsylvania Transportation and Traffic Safety Center to the Pennsylvania Transportation Center, to more clearly define the mission of the research center which is directed by Dr. Thomas D. Larson, professor of civil engineering.

Designated Thursday, May 30, as the date for delegate election of trustees and the date for counting ballots for alumni trustees election.

Approved sketch plans for a business services building at University Park and authorized employment of an architect to finalize the plans. A one-story building to be located west of the Air National Guard Armory north of the main campus will provide space for printing services, addressing services, mail services, and offices of the Department of General Services, now located in the Service Buildings on west campus where the new Environmental Sciences Bldg. will be constructed.

Approved final plans for construction of two additional floors to the north wing of Chandler Laboratory. The original design of the building contained these two additional floors but changes were made for cost reasons.

Approved final plans for the Evelyn G. Frederick Health Center, at Millersburg, to be operated by the Hershey Medical Center. This will be an ambulatory care cen-

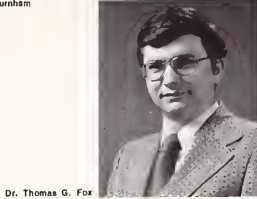
(Continued on page four)



Dr. Louis Kardos — "Soil . . . is an extremely complicated system."

Fox, Burnham appointed to new posts

Dr. C. Wayne Burnham



Dr. Thomas G. Fox

Dr. C. Wayne Burnham, professor of geochemistry, has been named head of the Department of Geochemical Sciences, succeeding Dr. Arnulf Muan who has returned to full-time teaching and research.

Dr. Burnham has served on the University faculty since 1955. His research in petrology and the geochemistry of ore deposits has gained national and international recognition. He was invited by the Australian-American Educational Foundation to lecture throughout Australia in 1970, and was chosen by the Society of Economic Geologists to be the Distinguished Lecturer of the Society for 1971. Last June, he was invited to visit the U.S.S.R. as a special guest of Russia's Academy of Sciences.

He is currently serving as a president of the Geochemical Society, an international scientific organization with more than 1,500 members, and as chairman of the advisory screening committee in geology of the Committee for the International Exchange Persons (Fulbright-Heys).

Dr. Thomas G. Fox, associate professor of economics, has been named dean of faculty at Behrend College in Erie. He will serve also as associate professor of

economics.

His appointment, to become effective March 15, was approved last week by the Board of Trustees.

A Penn State faculty member since 1966, Dr. Fox also has served as a member of the University's Institute for Research on Human Resources.

Dr. Fox will serve as the chief academic officer and will be responsible for the planning, implementation and evaluation of programs of resident instruction, continuing education and research in areas of study approved for Behrend.

For administrative matters, Dr. Fox will report to Irvin H. Kochel, Behrend College director, and as chief academic officer, he will report to the Provost, Dr. Russell E. Larson.

A graduate of Salina Senior High School, Salina, Kan., Dr. Fox received his bachelor of arts degree in business administration and economics at Kansas Wesleyan University in Salina.

His master of arts degree with a major in economics was conferred by Syracuse University, where he also received his Ph.D. in economics.

Duties combined in C.C. system office

Academic and administrative affairs of the Commonwealth Campus system will be consolidated in a single University unit in July, 1974.

The consolidation was approved by the University Board of Trustees on Saturday in recommendation of President Oswald, to take effect on the retirement of Kenneth Holderman, vice president for Commonwealth Campuses, who has been in charge of administrative affairs at the campuses.

Administrative functions will be added to the academic responsibilities already assigned to Dr. Robert G. Quinn, dean of academic instruction for the Campuses, thus paralleling the responsibilities assigned to other deans within the University. Directors of the Campuses will report directly to Dean Quinn.

The Trustees further established two new positions effective July 1, in the consolidated office — an administrative director of the Commonwealth Campuses and an associate dean for academic instruction.

The administrative director of the Commonwealth Campuses will be responsible under Dean Quinn for administrative and development matters. The associate dean, whose appointment will be based on the recommendation of a faculty search committee, will work with Dean Quinn on academic affairs. As in the past, Dr. Quinn will report to the University Provost, Dr. Russell E. Larson, and through him to the President.

Data on variety of social indicators

Study of State's elderly completed

An in-depth study of elderly persons in Pennsylvania, using selected social indicators from the 1970 census, has been made by a task force in the Department of Agricultural Economics and Rural Sociology, directed by Dr. J. Patrick Madden, professor of agricultural economics, and John Gerweck, associate director.

The study was made for the Bureau of Aging of the Pennsylvania Department of Public Welfare.

Data books, providing a variety of information uncovered in the study, were published for each county of the Commonwealth, the data itself being tabulated by minor civil division within the county.

The books include tables and computer maps summarizing data by civil division on persons 65 and over in the areas of hous-

ing, poverty, minority status, and whether living alone.

Robert C. Benedict, director of the Bureau of Aging, says in the foreword, "The indicators presented in this book should prove useful in identifying the numbers and priority needs for a broad range of social services. It is hoped that publication of the information in this form will contribute to the development of comprehensive and coordinated service systems in every community throughout the Commonwealth."

Data concerning Centre County includes the following:

Of the total population of 99,267 (1970) 6370 were 65 or older, 1807 of these (6370) had incomes below the poverty level; 21 of the 1921 non-white County residents were 65 or older; 1722 of those 65 or older lived alone and 615 persons 65 or older lived in places that lacked complete plumbing facilities.

The task force included, in addition to Dr. Madden and Gerweck, John C. Mullin, chief programmer; M. Hosterman, research assistant; Jacqueline Sobel, regional planner; C. Peter Pulo, regional planner; and Margaret M. Geelan, geropsychologist.

Copies of data books for all counties will be on file in the Documents "Department, Room 203 Central Palace, of the University Library, and in the Gerontology Working Collection, Room S-18, Human Development.

Individual copies may be purchased at cost from the Department of Agricultural Economics and Rural Sociology, Room 103 Weaver.

Deaths

Rebecca Doerner, who retired in 1963 as administrative assistant in the International Student Affairs office, died January 16. She was 73. Known as a "mother hen" for international students, Mrs. Doerner served the University for 21 years, being named director of international student affairs in 1949 after serving in the Registrar's office.

Dr. Sylvester K. Stevens, who served on the faculty in the history department from 1927 to 1937 and as State historian from 1937 to 1956, died Jan. 16 at the age of 69. From 1956 to 1972, when he retired, he was executive director of the Pennsylvania Historical and Museum Commission. He was named Distinguished Alumnus of the University in 1966. He earned the B.A. degree in 1926 and M.A. in 1927, in arts and letters. In 1945 he received a Ph.D. degree from Columbia University and later was given honorary doctorates by Lebanon Valley College, Susquehanna University, and Moravian College.

Honors

Dr. Herschel W. Leibowitz, professor of psychology, organized a Seminar on the Perception of Space and Motion that was sponsored by the National Science Foundation as part of the U.S. Japan Cooperative Science Program. Eight Japanese and seven American scientists participated in the seminar, the first to deal with a topic in psychology or the social sciences under the Program's sponsorship. It was held in Honolulu in December.

Appointed

Dr. Andrew Pytel, associate professor of engineering mechanics, has been named assistant to Dr. Robert G. Quinn, dean of academic instruction for Commonwealth Campuses.

Dr. Pytel, who will serve on a temporary basis until September, 1974, will have offices in 205 Old Main, phone 865-3468. He replaces Dr. John Irbly, who has accepted the position of regional director of cooperative extension service and regional coordinator of continuing education and public service at the University of Illinois.

Book on medieval rhetoric by Benson

"Readings in Medieval Rhetoric," a book co-edited by Dr. Thomas W. Benson, associate professor of speech, has been published by Indiana University Press.

The book presents treatises from nearly every century of the period between 430 and 1416 A.D. to illustrate the diversity of interest as well as the continuity of approach which marked the rhetoric of the Middle Ages. Many of the 36 treatises are

translated into English for the first time.

All important developments in rhetoric as well as key treatises on preaching and dictamen, the medieval art of letter writing, are surveyed in the anthology and prefaced by brief commentaries.

Joseph M. Miller and Michael H. Prosser compiled the book along with Dr. Benson, who also co-edited an earlier volume, "Readings in Classical Rhetoric."

Funding Opportunities

For more information, call 865-1372 except where noted below, and refer to the item by its number and the general information provided. People with grants information for dissemination in this column should call the same number.

January 24, 1974

(113-1) The NSF/FRAN program (Research Applied to National Needs) is organized into three major parts one of which is Advanced Technology Applications. This further divided into: energy research and technology, disaster and natural hazard research, and technological opportunities. Energy research includes: energy system, resources, and conversion; solar energy and energy fuel transportation. Disaster research includes earthquake engineering and fire research. Technological opportunities includes: advanced industrial processing, excavation and tunneling technology and instrumentation technology. More information is available (phone 865-1372). Three to six months are required for proposal review.

(113-2) Application from College Teachers to Seminar Directors for (NEH) Summer Seminar programs must be postmarked no later than Feb. 11, 1974, according to the National Endowment for the Humanities. For a list of Summer Seminars, contact Marjorie Berlincourt at NEH (202)382-5827.

(113-3) NEH Education Project Grants have a March 15 deadline. Project grants will be made to researchers who wish to develop and test imaginative approaches to humanities education — especially models for other institutions. Specific areas of research priority include: experiments in humanities education, development of teaching materials, educational use and library training institutes or conferences and development of interdisciplinary courses and programs. Ten percent cost sharing is required. Grants range from \$1000 to \$300,000 and average \$42,000.

(113-4) To help scientists identify problems of interest to both themselves and to the U.S. Air Force, the Air Force Office of Scientific Research (AFOSR) has issued a *Proposer's Guide to the AFOSR Research Program*. Six scientific directorates make up the Office: Aerospace, Chemical, Electronic and Solid State, Life, Mathematical and Information Sciences and Physics. The Guide lists subject areas and provides descriptions of the research areas. Also available are brochures for proposal guidelines for Grants for Basic Research, Contracts for Basic Research, and Air Force Systems Command (AFSC) Guide for Unsolicited Proposals.

(113-5) Creative writers may apply to the National Endowment for the Arts for 1975 \$5000 fellowships. Applicants must have published a novel, two or more shorter works, or a play that has been produced. Write to the NEA, Grants Office, Washington, D.C. 20506 for more information. **REMINISCENTS — DEADLINE DATES**

Jan. 20 for NIE Grants for Research in Education (Jan. 1974 INTERCOM #111-1) . . . Feb. 1 (extended) for NIH Research Fellowships (Dec. 6 and Jan. 17 INTERCOM #108-5 and #112-2) . . . Feb. 1, June 1 and Oct. 1 for ADAMA research grants (Jan. 17 INTERCOM #112-4) and for all other NIH research and resource grants . . . Feb. 4 and several subsequent for NEA Museum Programs (Jan. 3 INTERCOM #101-3) . . . Feb. 15 for NSF Instructional Scientific Equipment Program (Jan. 20 INTERCOM #111-4) . . . March 1 for Smithsonian research grants (Jan. 17 INTERCOM #112-3).

Staff vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (Weaver), or 475-1387. Applications for these vacancies will be accepted until:

5 p.m., February 7, 1974

HOME HORTICULTURAL ADVISOR

Eric County Extension
Responsible for the development and implementation of an effective home horticultural program to provide current and accurate home horticulture information to Erie County home owners. Associate degree or equivalent training in horticulture field related to home grounds and garden maintenance. One to two years' effective experience in home horticultural practice is required.

Applications for staff vacancies are considered without regard to race, color, creed, sex, or national origin.

THE UNIVERSITY IS AN EQUAL OPPORTUNITY EMPLOYER

News in brief

ART WORK EXHIBITED

Paintings by Yar Chomicky, professor of art education, and George Zorelich, professor of art, are being displayed in an exhibit at the Susquehanna University Campus Center. The show is the 13th annual Mid-State Artists Exhibit, which continues through January.

ON TODAY SHOW

Dr. Stanley Weintraub, research professor of English and director of the Institute for the Arts and Humanistic Studies will appear on the NBC-TV "Today Show" Tuesday, Jan. 29. His book, "Whistler is to be released the day before. In Central Pennsylvania area, Channel 15 WJAC, Johnstown, carries the program from 7 to 9 a.m.

BERKS FENCING

The Berks Campus physical education program now includes the sport of fencing, and students have responded with enthusiasm to the teaching of Susan Monk, instructor in physical education. Several students are enrolled in the three sessions in the Winter Term, more than ten percent of the total enrollment at the Camp. Miss Monk is a Penn State graduate in psychology with a master's degree in physical education.

OGONTZ COURSE

"Energy, the Problems of Today," is a new physics course to be offered at the Ogontz Campus during the Spring Term. Written by Eleanor D. Wilson, assistant professor of physics, the course aims to develop a basic vocabulary and understanding related to current energy problems, including geographic, economic and environmental considerations.

University Calendar

January 24-February 3, 1974

Special Events

Thursday-Friday, Jan. 24-25 — 5 O'Clock Theatre, "Now That Ed's Gone," by Matt Cugugno. Thursday at 5:20 p.m., Friday at 7:20 p.m., Pavilion Theatre.

Thursday, Jan. 24 — Sports: Women's Basketball, vs. Gettysburg, 3 p.m.; Women's Bowling, vs. Gettysburg, 3 p.m.

Thursday, Jan. 24 — Benefit concert, sponsored by L'Ailliance Francaise, 8 p.m., Phyllis Bldg. recital hall, with pianist Sherryl Trilio, violinist Claire de Chevilly, and flautist Nancy Madden. Tickets required; may be purchased at door.

Friday, Jan. 25 — Artists Series, Contemporary Chamber Ensemble, 8:30 p.m., Schwab.

Friday, Jan. 25 — Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

Saturday, Jan. 26 — Chinese Student Association New Year Celebration (dinner and entertainment) Rooms 102 and 104 Kern, dinner served, 6-7:30 p.m. Postponed from last week.

Saturday, Jan. 26 — Sports: Men's Gymnastics, vs. Navy, 2 p.m., Rec Hall. Women's Fencing, vs. Madison, 10 a.m., White.

Sunday, Jan. 27 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

Sunday, Jan. 27 — Chapel Service, 11 a.m., Eisenhower Chapel. Jean T. Bottman, Christian Science practitioner, Pitts-burgh.

Sunday, Jan. 27 — PSU Symphony Orchestra Young People's Concert, 3:30 p.m., Schwab.

Sunday, Jan. 27 — PSU Sport Parachute Club Paraskating, 9 a.m., Stone Valley.

Sunday, Jan. 27 — Alpha Chi Omega Greek Sing, 14 p.m., HUB ballroom.

Monday, Jan. 28 — June Miller organ recital, 8:30 p.m., Music Bldg. recital hall.

Tuesday, Jan. 29 — Hillel Foundation, film on Israel, 8:10 p.m., HUB assembly room.

Tuesday, Jan. 29 — Colloquy Festival of the Arts, Stanley Kunitz, poet, 8 p.m., HUB ballroom.

Wednesday, Jan. 30 — Artists Series, The Films of Luis Bunuel, "Viridiana," 8:30 p.m., Schwab.

Wednesday, Jan. 30 — Sports: Men's Basketball, vs. Syracuse, 8 p.m., Rec Hall.

Wednesday, Jan. 30 — University Theatre Preview, "Saint Joan," 7:30 p.m., Playhouse Theatre.

Wednesday, Jan. 30 — Claremont Wood-

wind Quintet, 8:30 p.m., Music Bldg. recital hall.

Friday, Feb. 1 — Artists Series, William Windom as "James Thurber," 8:30 p.m., Schwab.

Friday, Feb. 1 — Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

Friday-Saturday, Feb. 1-2 — University Theatre, "Saint Joan," 7:30 p.m., Playhouse Theatre.

Saturday, Feb. 2 — Sports: Women's Bowling, vs. Cornell, 1 p.m.; Women's Rifle, vs. Drexel, Rider, Philadelphia College of Pharmacy, 9 a.m. Men's Fencing, vs. Army, 2 p.m.; Men's Rifle, vs. Navy.

Saturday, Feb. 2 — WHRA Record Hop, 8 p.m., Simmons Lounge.

Saturday, Feb. 2 — Colloquy Festival of the Arts, Jimmy Breslin, author, 8 p.m., Schwab.

Sunday, Feb. 3 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

Sunday, Feb. 3 — Chapel Service, 11 a.m., Eisenhower Chapel. Rabbi Chaim E. Schertz, B'nai B'rith Hillel Foundation, State College.

Sunday, Feb. 3 — Music Guild, An Evening of Classical Music, 8 p.m., Room 112 Kern.

Artists Series



Actor William Windom brings humorist James Thurber to life in his characterizations on the Artists Series, Friday, Feb. 1, at 8:30 p.m. in Schwab. Tickets go on sale in general public Wednesday, Jan. 30, to students Jan. 25, at the HUB.

Seminars

Thursday, Jan. 24 — Nuclear Engineering, 4 p.m., Room 111 Breazeale Nuclear Reactor Facility. Dr. Edward H. Klevans, on "Controlled Fusion."

Thursday, Jan. 24 — Chemistry, 12:45 p.m., Room 310 Whitmore. Charles Johnson, University of North Carolina, on "Magnetic Resonance Studies of Tunneling and Rotation in Solids."

Thursday, Jan. 24 — Physics, 3:35 p.m., Room 117 Osmond. Peter D. Barnes, Carnegie-Mellon University, on "Nuclear Physics with K-Meson Atoms."

Thursday, Jan. 24 — Mining, 4 p.m., Room 302 Min. Ind. Mr. Elmore Girm, Mining Specialist, Mine Drainage Pollution Control Agency, Cincinnati, on "Contour Stripping Techniques."

Thursday, Jan. 24 — Agronomy, 3:55 p.m., Room 301 Agrl. Adm. G. W. McKee, on "Interdisciplinary Approach to Agronomy Research."

Thursday, Jan. 24 — Central Pa. Section, AIAA, 4 p.m., Room 232 Hammond. Dr. William George, ARL, on "Special and Temporal Resolution in Dynamic Flow Measurement."

Thursday, Jan. 24 — Mechanical Engineering, 4 p.m., Room 103 Mechanical Eng.

Bldg. Brent Zarienga, Graduate Asst., and David Czarnetzki, DuPont Fellow, on "In Vitro Evaluation and Comparison of Two Methods of Left Heart Asst."

Thursday, Jan. 24 — Engineering Acoustics, 4 p.m., Room 71 Willard. Gerald C. Lauchie, Research Assistant, Applied Research Lab., on "Acoustical Diffraction by Spheroidal Baffles."

Thursday, Jan. 24 — Meteorology, 3:55 p.m., Room 26 Min. Sci. Dr. John A. Dutton on "Some Problems in Global Thermodynamics."

Monday, Jan. 28 — Plant Pathology, 9:45 a.m., Room 213 Buckhout. Dr. D. D. Davis on "Extension Plant Pathology: Programs and Program Development for Air Environment Quality."

Monday, Jan. 28 — "Current Issues in Food and Agriculture," 1 p.m., Room 202 Bortland. Carol A. Long, Graduate Asst. food science, on "Land Use and Food Production."

Monday, Jan. 28 — Biochemistry, 4 p.m., Room 101 Althouse. Robert Drummond, on "L-Glutamic Acid Decarboxylase in Non-Neutral Tissues of the Mouse."

Tuesday, Jan. 29 — Geosciences, 4 p.m., Room 26 Min. Sci. Bruce Julian, Lincoln Laboratory, M.I.T., on "Three Dimensional Structure of the Earth's Mantle: Sels-

logical Data Relating to the Driving Mechanisms of Plate Tectonics."

Tuesday, Jan. 29 — Solid State Physics, 1 p.m., Room 445 Davey. Dr. Walter King, Applied Research Laboratory, on "Theoretical Analogies of Flow Generated Noise in Fluids."

Tuesday, Jan. 29 — Chemical Engineering, 3:50 p.m., Room 140 Fenske. E. E. Klaus on "Chemical Aspects of Lubrication."

Tuesday, Jan. 29 — Comparative Literature Luncheon and Discussion, 12:15 p.m., HUB Dining Room A. Manfred Keune.

Wednesday, Jan. 30 — Analytical Chemistry, 8:30 a.m., Room 310 Whitmore. B. L. Arnold on "A New Approach to Liquid Phases in Gas-Liquid Chromatography."

Wednesday, Jan. 30 — Biochemistry, 4 p.m., Room 101 Althouse. P. Nix on "Three Dimensional Structure of the Hemoglobin Crystal."

Thursday, Jan. 31 — Meteorology, 3:55 p.m., Room 26 Min. Sci. Dr. Richard A. Anthon on "Initial Data Requirements for Operational Hurricane Prediction as Revealed by Dynamic Initialization."

Thursday, Jan. 31 — Remote Sensing, 1 p.m., Room 225 E. West. A. David

Wilson, graduate in agronomy, on "Agricultural Land Use Mapping Using ERTS-1 Data."

Thursday, Jan. 31 — Mechanical Engineering, 4 p.m., Room 103 Mechanical Eng. Bldg. Charles Hendricks, graduate asst., on "The Prediction of Turbulent Confinement Flow."

Thursday, Jan. 31 — Chemistry, 12:45 p.m., Room 310 Whitmore. Melvyn R. Churchill, University of Illinois, on "Recent Structure Studies on Organometallic Complexes."

Thursday, Jan. 31 — Agronomy, 3:55 p.m., Room 301 Agrl. Adm. L. Steckler and R. Cunningham on "Variability in Soil Mapping Units."

Thursday, Jan. 31 — Mining, 4 p.m., Room 302 Min. Sci. Dr. H. R. Hardy, Jr., mining engineering, on "Rock Mechanics and Mining Research in Europe."

Thursday, Jan. 31 — Physics, 3:35 p.m., Room 117 Osmond. Judah W. Eisenberg, University of Virginia, on "Recent Developments in Nuclear Physics."

Friday, Feb. 1 — "Two Cultures Dialogue," 12:30 p.m., Room 189 Materials Research Lab. C. R. Hausman, philosophy, and T. H. Rogers, English, on "Value Considerations in the Humanities."

WPSX highlights

"The Humanities Film Forum," a series of ten major international films, begins Thursday, Jan. 24, at 9 p.m. on WPSX-TV, Channel 3, with British director Tony Richardson's unorthodox version of "Hamlet," starring Nicol Williamson and Marianne Faithfull. Williamson's portrayal of the Prince has been called "revolutionary" and "a Hamlet for today." Following the film, host James Billington and his guests examine the film's humanistic values in terms of the time it depicts, the time it was made, and today. The series may also be seen Saturdays at 8:30 p.m.

The little-known, but warlike Kreen-Akrore tribe of Brazil's Amazon jungle is the subject of "The Tribe That Hides from Man" Monday, Jan. 28, at 8 p.m. on WPSX-TV. The hour-long documentary records the search for the tribe by Claudio and Orlando Villas Boas, Brazil's almost legendary explorers. Their purpose: to find and relocate the Indians in a protected jungle refuge before the Indians fall victim to prospectors and developers who have invaded the jungles.

Journalist Bill Moyers talks with union leader Harry Bridges in a special hour-long edition of "Bill Moyers' Journal" Tuesday, Jan. 29, at 8 p.m. on WPSX-TV. Bridges, the longtime President of the International

Longshoremen's and Warehousemen's Union, was a central figure in American labor struggles in the 1930s. In this rare television interview, the 78-year-old union leader recalls the early days of unionism in the United States, reflects on the current state of the American working man, and talks about his life.

Estelle Parsons and Jack Cassidy star in "June Moon," an American comedy classic by George S. Kaufman and Ring Lardner, Wednesday, Jan. 30, at 8:30 p.m. on WPSX-TV, Channel 3.

Exhibits

Museum of Art — African Sculpture, Gallery A. Prints and Drawings from Central Pennsylvania Collectors, Gallery C. Selections from the Permanent Collection, Gallery B.

Zoller Gallery — Emblems of Seduction, 16th century to present, through Jan. 26. Opening Jan. 28, BFA Show.

Chambers Gallery — Paintings and drawings by Yar Chocky. Fiber bags and other constructions by David B. Van Dommelen.

Kern Gallery — Central Pennsylvania Scholastic Art Exhibit Opening Feb. 2, Paul Harcharik, prints.

Pattee Library — Jean Furth, prints, West Pattee Lobby. Peter Kaufman, paintings, East Pattee Lobby. The Energy Crisis, display, Main Undergraduate Library.

Meetings

Monday, Jan. 28 — PSU Society of Student Social Workers, 7:30 p.m., Room 260 Willard. All interested welcome.

Lectures

Wednesday, Jan. 30 — Dr. Barry L. Zoumas, Hershey Foods, on "Nutritional Labeling," 7:30 p.m., Room 117 Bortland, sponsored by Food Science Club.

HUB specials

The HUB Terrace has initiated daily special meals for both lunch and dinner at prices much below university cafeteria prices ala carte. No substitutions are permitted to benefit from these reduced prices. For the noon price, the features (all accompanied with appropriate side dishes and beverage) are:

Sunday, Jan. 27 — dinner, roast turkey w/dr. \$1.99; supper, sausage paltie/pa. tilt. \$2.99.

Monday, Jan. 28 — lunch, lasagne \$1.11; dinner, chicken tetrazzini \$1.47.

Tuesday, Jan. 29 — lunch, chicken beef w/ist. \$1.19; dinner, hot meat sandwich \$1.47.

Wednesday, Jan. 30 — lunch, grilled ham & cheese sandwich \$1.35; dinner, macaroni & cheese \$1.69.

Thursday, Jan. 31 — lunch, turkey turnover \$1.19; dinner, Italian spaghetti \$1.19.

Friday, Feb. 1 — lunch, tuna noodle casserole \$1.11; dinner, hot cakes \$1.19.

Saturday, Feb. 2 — lunch, chicken chow mein/rice \$8.99; dinner, frank's & beans \$1.29.

Films

Thursday-Sunday, Jan. 24-27 — Arnold Air Society, "Stop the World," 7 and 9 p.m., Room 105 Forum.

Thursday-Sunday, Jan. 24-27 — Centre Halls, "My Fair Lady," 7:30 and 10 p.m., Room 102 Forum.

Friday-Saturday, Jan. 25-26 — U.S.G., "The Yellow Submarine," 7:30 and 10 p.m., HUB ballroom.

Saturday, Jan. 26 — Free-U children's films, "Jack and the Beanstalk," 12:30 and 2:30 p.m., HUB assembly room.

Wednesday, Jan. 30 — Commonsplace Theatre, "Notorious," 8 and 10 p.m., Room 112 Kern.

Thursday, Jan. 31 — Colloquy, "Seven Year Itch," 8 p.m., HUB ballroom. Discussion by Ellis Grove, theatre arts.

Thursday-Sunday, Jan. 31-Feb. 3 — Centre Halls, "Love Story," 7:30 and 10 p.m., Room 102 Forum.

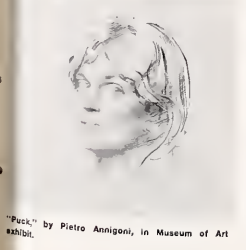
Friday-Saturday, Feb. 1-3 — North Halls, "Pete and Tillie," 7:30 and 9:30 p.m., Room 105 Forum.

Friday, Feb. 1 — Colloquy, "The Gang that Couldn't Shoot Straight," 8 p.m., HUB ballroom.

Saturday, Feb. 2 — Free-U children's films, "Festival of Folk Heroes," 12:30 and 2:30 p.m., HUB assembly room.



Barbara Hyslop, graduate student in theatre arts, as "Puck" in the University Theatre production of "The Shaw play."



"Puck," by Pietro Annigoni, in Museum of Art exhibit.

Music program for the week is varied

Dr. D. Douglas Miller, assistant professor of music, will conduct the University Symphony Orchestra in the fifth annual Young People's Concert Sunday, Jan. 27, at 3:30 p.m. in Schwab Auditorium. Tickets are free, are required and if still available may be obtained at Room 232 Music Bldg., as well as the Music Mart in State College and Purnell's News Agency, Bellefonte.

June Miller, assistant professor of music, will play Baroque, Romantic and Contemporary organ works in her recital Monday, Jan. 28, at 8:30 p.m. in the Music Building recital hall. Four noels by Dandrieux, works by Rameau, Widor, and Dupre, and Olivier Messiaen's "The Ascension Suite" and "Meditations on the Mystery of the Holy Trinity" will be included in the program.

The Claremont Woodwind Quintet, directed by Smith Toulson, assistant professor of music, will give a recital Wednesday, Jan. 30, at 8:30 p.m. in the Music Building recital hall.

Broadening the offerings of the Kern Graduate Building, a program of classical music performed by members of the State College Music Guild will be given Sunday, Feb. 3, at 8 p.m. in the Kern Auditorium. A coffee hour will follow the program so

that members of the audience may meet and talk with the musicians.

Many of those performing are either full-time or part-time members of the University faculty. The program will include, for example, a Eugene Bozza "Aria" for alto saxophone, played by William Dole, part-time instructor in music and a member of the Claremont Woodwind Quintet. He will be accompanied by Jill Olson, a Music Academy piano teacher.

Nona Uhler, an M.F.A. candidate in voice, will be accompanied by Robert Trehy, associate professor of music, her voice teacher, when she sings two songs by Richard Strauss, an aria from Mozart's "Marriage of Figaro," and Mimmi's aria from "La Boheme."

Nancy Hadden, part-time music instructor, will join with her husband, John, a computer programmer at the University, and Erin Headley, graduate student in music, in Renaissance music using recorders, flute, krumphorn, gambas, and voice.

A quartet of Mary Aliza Graetzer and Ruth Hughes, violins, Pam Fennar, viola, and Gilbert Ward, cello, will play Mozart's String Quartet in B-flat, K. 458. Mrs. Fennar is part-time teaching assistant in sociology, and Dr. Ward is associate professor of physics.

TRUSTEE —

(Continued from page one)

ter, with staffing by Hershey personnel and Millsburg area physicians and allied health personnel. Funds for the Center come from a trust fund under the will of Howard G. Frederick, Millsburg Industrialist who died in 1945, and Federal funds under the Hill-Burton Act.

Approved, as recommended by the Penn State Foundation, the allocation from undesignated funds of the Alumni Fund of \$20,000 each to a loan fund for graduate students and the renovation of the student center at the Hershey Medical Center. The students and the renovation of the student residence for boys of the Milton S. Hershey School. Nine other projects have received funds from the total of \$101,500 in the undesignated category.

HIGHER —

(Continued from page one)

present limit of \$15,000.

—Develop reciprocal arrangements with other states, thus enabling students to carry State scholarships to out-of-state institutions.

—Increase total expenditures from higher education over the next decade "To gain parity with the national norm." The report noted Pennsylvania ranks 42nd among the states in per capita amount directed to higher education.

—Provide direct institutional aid for private colleges and universities in the form of "student-following grants" of \$600 for each student admitted with a PHEAA scholarship.

—Increase the \$400 per student State

Approved a change in the name of the Department of Theatre Arts to the Department of Theatre and Films.

Approved a change in the designation of the graduate program in speech to the graduate program in speech communication, to conform with the renaming of the department recently.

Gave preliminary approval for a \$4,000, 000 addition to the outpatient services at the Milton S. Hershey Medical Center. The addition will help to meet the critical need of the hospital for more outpatient facilities. Sketch plans were also approved for the addition, which will be built to the east of the hospital wing, as well as sketch plans for a cardiovascular research laboratory and the employment of the Philadelphia architectural firm of Harbeson Hough Livingston and Larson as the architects for both projects.

subsidy to community colleges to help cover the rising costs of relatively expensive career programs they offer.

The report did not include estimates of the costs of the proposals. Several PACU officials, including Dr. Oswald, said the report is intended more as a set of long-range goals than as an immediate legislative program.

"This report," Dr. Oswald said, "is not a document of what should happen next year. It is a program for the future, a set of policies under which judgments should be made relating to private and public higher education in the state."

Dr. Oswald cited the recommendation for \$500 institutional grants for each PHEAA recipient enrolled in a private college, noting that 42 per cent of all college students in Pennsylvania are enrolled in private

the many extra books I read was on the physics of the air, so I didn't have any trouble keeping two jumps ahead of my students in climatology."

Dr. Kardos returned to Rutgers to defend his thesis on the summer of 1936, and at the same time renewed his acquaintance with the secretary in the soils department who had to type it. Two years later, she became Mrs. Kardos. The couple remained in Pullman until 1943 when Dr. Kardos accepted a job at the University of New Hampshire.

At Washington, in addition to work in soil water quality, fertility and structure relations, Dr. Kardos demonstrated an early concern with the environment, doing studies of locusts in orchard soils sprayed with lead arsenate against insects.

He continued his basic studies in soil chemistry at New Hampshire and also worked on problems of runoff, erosion and irrigation management. As the northeastern representative on the National Soil Test Work Group, he served on the body which undertook the first comprehensive survey and critical analysis of soil testing systems in the U.S. For five years, he was north-

COUNCIL —

(Continued from page one)

ample, in the College of Liberal Arts, where a teacher's strongest allegiance may be to his individual discipline rather than to a more generalized academic area.

Rather than recommending a single model, the Council suggests that an appropriate administration for Commonwealth Campuses be developed within each college. It occurred in the Academic Policy Plan goals of stronger Commonwealth Campus administration and faculty organization, greater responsiveness to unique community needs in the areas served by the campuses, and increased responsibility for program participation by Commonwealth Campus faculty. It noted that some of the goals already had been realized through increased participation by Commonwealth Campus faculty members in the University Senate and in department and college committee work.

Dr. John J. Coyle, professor and head of the department of business logistics, was chairman of the subcommittee. Other members were Dr. Ronald J. Harshbarger, assistant professor of mathematics at the Beaver Campus, and Dr. Charles Holser, dean of Life and Mineral Sciences.

In a press briefing following the Council meeting, Dr. Russell E. Larson, Provost and Council Chairman, said that responses had been received both pro and con on the proposal, which is being reviewed throughout the University. Dr. Larson said it was hoped that decisions on the proposed new administration could be made within the next four to six weeks.

The Council also approved a report from Dr. William L. Harkness, professor and head of the department of statistics and chairman of the Senate subcommittee of the Academic Affairs Committee which is considering student evaluations.

Dr. Harkness said the subcommittee would ask the Senate to approve a 10-question survey to be used on a University-wide basis. Five of the questions would relate to course content and the other five to the quality of instruction, with results to be made available to the course instructor and the department or program head.

If approved by the Senate, it is expected that the survey will be used for the first time during the spring term.

schools; the figure nationally is 25 per cent.

He said the PACU proposal was designed to put higher education in Pennsylvania on sound a financial basis as possible and was not offered as a means of developing new programs.

"All institutions, public and private, recognize that new academic programs in the years ahead will essentially have to be developed out of a reallocation of our resources," he said, adding that "funds we receive will be those necessary to keep up with inflation and salary increases."

Concerning Penn State tuition, he said "we're going to make every effort to hold down tuition. We've resisted anything more than a modest tuition increase."

Gov. Shapp received the report at the opening of the conference and said it will be studied closely.

Dr. Kardos represented the Soil Science Society's Membership, Organization and Policy Committee and in 1952 began his still continuing service as an associate editor of "Soil Science Society of America," a well-known international journal in the field. In 1953, along with 12 other scientists, he was invited to participate in the preparation of an American Chemical Society monograph on "Chemistry of the Soil."

In 1954, Dr. Howard Sprague, then head of the Department of Agronomy, invited Dr. Kardos to join the faculty as professor of soil technology, a title which was changed recently to professor of soil physics. He is also an environmental scientist in the Institute for Research on Land and Water Resources.

"I had a son and two daughters who were avid skiers and loved New Hampshire," Dr. Kardos recalls. "They had visions of having to live among steel mills and coal mines in Pennsylvania. They adjusted to the Nittany Valley very happily, however, and all three were graduated from the University. John in chemical engineering and Mary and Ann in medical technology."

At Penn State, Dr. Kardos has taught

Shaw's Joan opens Friday at Playhouse

George Bernard Shaw's "Saint Joan" will open at Playhouse Theatre Friday, Jan. 1, for a seven performance run, plus student preview. The production by University Theatre commemorates the 50th anniversary of the Shaw classic that was written at about the same time that Joan was being canonized.

Warren S. Smith, who directs the General Education in the Arts program and one of the foremost scholars in the area of Shaw and religion, directs the play.

"It was no problem at all," Smith says, "to find elements in the production which are relevant to today's campus audience which was one of my concerns."

"To begin with, Shaw was a devout feminist, and Joan is an excellent example of a woman who transcends society's limitations," said Smith. He explained the Joan lived and died at an entirely different and more profound level than any man or woman of her time, representing a complete fulfillment and self-realization of a human life.

Prof. Smith says that Shaw's interest in Women's Rights was a much greater involvement than merely the suffrage movement by which women received the right to vote in the 1920's. "Shaw really treated women as people and not just as suffragists, although he is very sensitive to the 'role' men would force them to play," he explains.

"For instance, one of the worst things that Joan did to her French foes was to don men's apparel. This was a crushing blow to images held by the military as the church. Of course, her real threat to the establishment arose out of her ability to 'out-general' the generals and beat men at their own game," Smith added.

Another area that Professor Smith felt in Shaw's work that transcended time was his philosophy and belief in "The Life Force." Meeting many of the same specifications as the omnipotent black moon in Stanley Kubrick's "2001: A Space Odyssey," Smith described the Life Force as an intangible impetus that drives Shaw's characters, and particularly Joan, to the heroic and occasionally irrational things they do to fill this need of a "higher passion."

A special student preview of "Saint Joan" will be presented on Wednesday, January 30, at 7:30 p.m., and the play will open on Friday, February 1, at 7:30 p.m. and on February 2, 5, 6, 7, 8 and 9.

The University Theatre asks patrons to note that the curtain for "Saint Joan" one-half hour earlier than usual. Tickets for both "Saint Joan" and for the American premiere of Polish playwright Stanislaw Mrozek's "Blasted" will go on sale Jan. 28 at the box office. Ticket information and reservations can be obtained by calling the University Theatre box office (814) 865-1884.

KARDOS —

(Continued from page one)

but it only paid tuition, and an opening in sanitary engineering carried a \$25 monthly stipend. Naturally, I took the higher bidder.

By 1936, Dr. Kardos had completed the research for his doctorate and accepted a job at Washington State University.

"My practice teaching experience at Rutgers included a sixth grade arithmetic class," he continues, "and one with high school seniors who were supposed to be studying chemistry. However, it was the seniors' last three weeks in school, and I can't say I got much work out of them. At Washington State, however, I had the chance to teach a broad range of courses, including an unexpected one in climatology, because the agronomy department there happened to keep the weather instruments."

"Fortunately, as a boy growing up in Perth Amboy, I became a copious reader. I used to go to the library every Saturday and get out as many books as possible. If some of them were short, I'd read them in the morning and then go back for new ones in the afternoon. While in college, one of

undergraduate classes in soil conservation and a graduate course in soil physics. Much of his time now, though, is spent in research connected with the living soil of a symposium on Recycling Treated Municipal Wastewater and Sludge through Forest and Cropland, co-edited the published proceedings and co-authored four of 32 papers involved.

Active in professional organizations has been vice-president and president of the Northeastern Branch of the American Society of Agronomy and held similar posts in the Keystone Chapter of the same society. He also served as secretary, vice-chairman and chairman of the Northeast Soil Research Committee. The American Society of Agronomy made him a fellow, and the Conservation Society gave him a Fellowship Award.

In his spare time, Dr. Kardos enjoys outdoors. Although he gave up on country skiing, he still likes to hike. He also enjoys fishing in Pennsylvania trout streams has substituted surf casting on his native Jersey seashore.

PENN STATE intercom

Volume 3, Number 20

January 31, 1974

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

News in brief

DANCE COMPANY

The Contemporary Dance Company will give its premiere concert Thursday, Jan. 31, and performances Friday and Saturday, Feb. 1 and 2, all at 8:30 p.m. in White Hall Dance Theatre. There will also be a matinee at 2:30 p.m. on Saturday.

Sponsored by the College of Health, Physical Education and Recreation, the Company was formed last fall to offer concerts, tours and master classes for those interested in modern dance.

The directors and choreographers of the Company are Patricia Heigel and Lynne Anne Blom, instructor and assistant professor of physical education, respectively, and LaRue Allen, director of the Central Pennsylvania Dance Workshop. George Holley, graduate student in theatre arts, is scenic and lighting designer and technical director.

For the concert, Bruce Trinkley, assistant professor of music, has composed two original works.

ORANGE L

The parking area near Shields Building but east of University Drive is now an open faculty and staff parking area, set aside to provide flexibility in parking that can be used as an alternate parking area when the assigned area is filled. It is not necessary to call Police Services when parked in these areas as long as a valid faculty-staff parking permit or decal is displayed. Red A, at Foods Building, Blue E at the Computation Center, and Orange H at the Research Buildings on East Campus are also open areas.

SENATE REPORT AVAILABLE

The University Faculty Senate's report of the considerations in the past five months on the subject of collective bargaining have been published, and distribution to members of the faculty began this week.

ART LECTURE

The second of three lectures planned in conjunction with the art history and French department seminars exploring the principles guiding Medieval art and literature will be given by Dr. Benjamin Bart, Thursday, Feb. 7, at 3:00 p.m. in the Assembly Room of the Hetzel Union Bldg.

Dr. Bart, professor of art history at the University of Pittsburgh, will speak on "The Invention of a Saint: Julian the Hospitaller in Art and Literature." He is currently engaged in a study of the relationships between the earliest French language versions of the original Latin legend of St. Julian and the representations of these legends in the stained glass of the cathedrals of Chartres and Rouen.

Support for the series has been provided by the Institute for the Arts and Humanistic Studies and the Interdisciplinary Graduate Program in the Humanities.

DILWORTH DEATH

Richardson Dilworth, who died Jan. 23, served for seven years from 1955 to 1963, as a member of the Board of Trustees of the University. The former mayor of Philadelphia, Dilworth was appointed to the Board by Gov. George M. Leader, and during his tenure he was a member of the Executive Committee of the Board.

ARCHAEOLOGIST TO TALK

Daniel J. Geagan, professor of history at McMaster University, will speak on "The Renewal of a City: Hadrian's Plan for Athens" Thursday, Feb. 7, at 8 p.m. in 101 Kern Bldg. The illustrated public lecture and a reception following it are sponsored by the Central Pennsylvania Society of the Archaeological Institute of America. Dr. Geagan will describe Hadrian's interest in the "urban renewal" of the eastern half of the Roman Empire. Athens became the queen city of this revival, and the Emperor's attempts to revitalize civic life there, to reconstruct and expand the city's physical facilities and to reestablish the great athletic and artistic festivals, offer instructive contrasts and comparisons with similar problems today.

FILM SHOWINGS

The First Penn State Film Festival, sponsored by the Graduate Student Association, will feature student films from colleges and universities in six states. Public showings will be held Friday-Sunday, Feb. 8-10, beginning each evening at 8 p.m. in Schwab Auditorium, with no admission charge. The films are also to be judged by a panel including Holle Alpert, film critic, Arthur Barron, producer-director, and Willard Van Dyke, director of the Museum of Modern Art's film department.

FOCUS ON SALE

A 20-page issue of Focus magazine, featuring an interview with Governor Milton J. Shapp, goes on sale Monday, Feb. 4. Ken Cheslet, editor of the student publication, says this is the first of two issues to be offered during Winter Term. Plans call for six issues in Spring Term.

SHOW OPENS

The public is invited to a cabaret party featuring a band and free soft drinks and snacks to open the Nina Rosenblum Invitational Saturday, Feb. 2, at 9 p.m. in Zolter Gallery, Visual Arts Bldg.

Art on the subject of human experience is the theme, representing a new slant in student shows. All exhibits will be art with a subject matter and content, according to art instructor Rosenblum, who will jury all submitted works in advance on the basis of their quality of expression and relevance to the theme. About 40 graduate and undergraduate students are expected to participate in the show, which will continue through Feb. 9.

SURVIVAL SEMINARS

"Survival: The Choice is Yours" is the topic selected by the Faculty Women's Club for its February seminars. Don Kepler, instructor in physical education, will talk on "Survival on Land and Sea," Tuesday, Feb. 5, at 9:30 a.m. in the HUB Assembly Room. Speaking Tuesday, Feb. 12, at the same hour and place will be Dr. G. Lynn Brinkman, assistant professor of nutrition science. His topic is "American Food: Health and Hoax." A luncheon lecture on "Human Adaptability to the Environment" will be presented Thursday, Feb. 21, at noon in 101 Kern Bldg. by Dr. Paul T. Baker, professor of anthropology, and Thelma S. Baker, instructor in anthropology. Prepaid luncheon reservations must be made before Feb. 13 with Mrs. Marilynn Hollis at 466-7397.

MUSIC

Four concertos for oboe from the works of the most famous Baroque composers

(Continued on page four)

West Germany awards to outstanding U.S. scientists

Skell, deMaine get Humboldt grants

Dr. Philip S. Skell, Evan Pugh professor of chemistry, and Dr. Paul A. D. deMaine, professor of computer science, have received Senior Scientist Awards from the Alexander von Humboldt Foundation of West Germany, which are granted to outstanding U.S. scientists to promote closer scientific cooperation between the United States and West Germany.

Dr. Skell will spend the academic year 1974-75 at the Technical University in Munich, West Germany, working with 1973

Nobel Laureate Ernst Otto Fischer on a cooperative research program in atom chemistry.

Dr. deMaine will conduct research on the JOBLIST computer language and its applications to chemical information at the Technical University with Prof. I. K. Ugi, and work at the Max Planck Institute.

In addition, both will lecture at universities and research institutes throughout Europe and participate in the educational programs of the von Humboldt Foundation.

Their problems different from young coeds'

Returning student women form group

Not all the coeds of the seventies are wearing blue jeans and work boots. Surveys prove that a half million older women are attending college, too.

"For us, the first term paper can be as traumatic as the first baby," says one of their number, Iran Mohsenin, who is currently working for her doctorate in higher education.

Her own experiences convinced Mrs. Mohsenin that older coeds face special problems on campuses which are primarily geared to the needs of the young, single, full time student. The result is a new organization, Returning Student Women, which she helped found and Penn State's Undergraduate Student Government has agreed to charter and fund.

"Isolation is one of the main problems of our members," Mrs. Mohsenin says. "Freshmen pick up a lot of necessary information just by living on campus with their peer group. Our average member is a housewife with children. She comes to

campus maybe three times a week, pays an expensive babysitter, and leaves as soon as her classes are over. She has no way to find out what's going on. Such basic information as how to drop and add courses or even what courses to take is hard for her to come by.

"When we had our first workshop, we put up a few signs, and over 30 women showed up. After the meeting was over, they were so eager to share experiences they couldn't bear to leave. Since then our attendance has steadily increased."

The group limits its meetings to one a term, because most of its members are too busy to get out more. Similarly, it has no standing committees, only action groups. Concerns range from trying to set up baby sitting services to instituting procedures which would allow part time students fuller use of University facilities or permit them to exempt required physical education and health courses designed for a different student population.

(Continued on page two)

Class includes doctoral candidates, too

Writing clinic gives 'first aid'

The Writing Clinic, under the direction of Lynn Christy, associate professor of English composition, offers "rhetorical first aid" for students deficient in writing English.

The successor to what used to be called "English Zero," a non-credit remedial English course, the Writing Clinic tutors students who have problems with grammar, punctuation, word usage, sentence construction and paragraph organization.

About one-third of the students enrolled in the clinic were advised as freshmen to seek special help upon the receipt of the results of their English placement tests. The remaining two-thirds were sent to the clinic by the English I professors or their course advisors.

Professor Christy, who is aided by four graduate assistants, starts the students with a grammar test. This is a diagnostic technique which reveals the amount of help a student needs and the areas in which he needs direction.

"Most students have problems with verb/noun arrangement and with pronoun/antecedent agreement," Professor Christy says. After progressing through six stages of simple grammar, the student is re-introduced to sentence structure, relative clauses, punctuation, paragraph organization, and even some spelling.

Currently, there are 95 students enrolled in the clinic, ranging from freshmen to doctoral candidates.

"We average about two doctoral candidates per term," Professor Christy added.

The sessions, which are generally run on a one-to-one teacher/student ratio, are scheduled twice weekly for each student for as long as he still needs assistance.

Most students, although resentful at first about attending the clinic, return to thank Professor Christy and his staff for the improvement that the tutoring has afforded them.

"Although some students take the clinic for granted," Professor Christy said, "many of them appreciate the fact that they are getting free tutoring and individual attention."

John P. Keegan, freshman in engineering, said, "I thought that having to go to the clinic would be a pain. But now, I do feel it's worthwhile since it has helped me a lot with my grammar."

Alba N. Cuevas, freshman in education, who is now in her second term with the clinic, said, "I didn't know anything about grammar or punctuation until I came to the clinic. Now I'm really improving."

For students who can't get their verbs and nouns to agree or who are at a loss to manipulate commas and colons, the Writing Clinic's "rhetorical first aid" may be able to patch them up.

The Writing Clinic is located in the Liberal Arts Building in Rooms 903, 904, and 905.

University calendar

January 31-February 10, 1974

Special Events

Thursday, Jan. 31 — Colloquy Festival of the Arts, film, "Seven Year Itch," 8 p.m., HUB ballroom. Discussion, Ellie Grove.

Thursday-Saturday, Jan. 31-Feb. 2 — The Humberband Dance Company, 8:30 p.m.; Saturday matinee at 2:30 p.m., White Hall Dance Theatre.

Friday, Feb. 1 — Artists' Series, William Windom as "James Thurber," 8:30 p.m., Schwab.

Friday, Feb. 1 — Commonsplace Coffee-house, 8 p.m., Room 102 Kern.

Friday, Feb. 1 — Colloquy Festival of the Arts, film, "The Gang That Couldn't Shoot Straight," 8 p.m., HUB ballroom.

Friday-Saturday, Feb. 1-2 — University Theatre, "Saint Joan," 7:30 p.m., Playhouse Theatre.

Saturday, Feb. 2 — Sports: Women's Bowling, vs. Cornell, 1 p.m.; Women's Rifle, vs. Drexel, 9 a.m. Philadelphia College of Pharmacy, 9 a.m. Men's Rifle, vs. Navy.

Saturday, Feb. 2 — Clinic for prospective swimming and diving judges for national collegiate women's swim championships, 9:30 a.m.-12:30 p.m. White Building pool. Call 865-7591 for additional information.

Saturday, Feb. 2 — WHRA Record Hop, 8 p.m., Simmons Lounge.

Saturday, Feb. 2 — Colloquy Festival of the Arts, Jimmy Breslin, author, 8 p.m., Schwab.

Saturday, Feb. 2 — Opening reception and cabaret, Nina Rosenblum Invitational, 9 p.m., Zoller Gallery.

Sunday, Feb. 3 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

Sunday, Feb. 3 — Chapel Service, 11 a.m., Eisenhower Chapel. Rabbi Chaim E. Scheiner, Rosh Hashana Brith Hill Foundation, Stone College.

Sunday, Feb. 3 — Music Guild, An Evening of Classical Music, 8 p.m., Room 112 Kern.

Sunday, Feb. 3 — Colloquy Festival of the Arts, film, "Gentlemen Prefer Blondes," 8 p.m., HUB assembly room. Discussion, George Bowman.

Monday, Feb. 4 — Colloquy Festival of the Arts, Alan Schneider, director, 8 p.m., HUB ballroom.

Tuesday, Feb. 5 — Colloquy Festival of the Arts, film, "Bus Stop," 8 p.m., HUB assembly room.

Tuesday, Feb. 5 — Film Strip presentation of Spring Fashions by Butterick representative, sponsored by Fashion Industry Interest Group, College of Human Development, 7 p.m., Living Center, Human Development Bldg.

Tuesday, Feb. 5 — Sports: Women's Gymnastics, vs. Lock Haven, SUNY-Cortland, University of Maryland-Baltimore County, 7:30 p.m.

Tuesday-Wednesday, Feb. 5-6 — Alpha Phi Omega Bloodmobile, 9 a.m.-5 p.m., HUB ballroom.

Tuesday-Saturday, Feb. 5-9 — University Theatre, "Saint Joan," 7:30 p.m., Playhouse Theatre.

Tuesday, Feb. 5 — Peace Corps films and discussion, 7:30 p.m., Room 419 Boucke. "Do You Speak Agriculture" and "Not Enough."

Wednesday, Feb. 6 — Informal discussion on regional planning and the law, by Charles Zaleski, lawyer and planner, 7:30 p.m., Room 216 Willard, sponsored by Graduate Student Association and Regional Planning.

Wednesday, Feb. 6 — Artists Series, The Films of Luis Bunuel, "The Exterminating Angel," 8:30 p.m., Schwab.

Wednesday, Feb. 6 — Sports: Men's Basketball, vs. Temple, 8 p.m., Rec Hall.

Wednesday, Feb. 6 — Gregory Donovesky, oboe recital, 8:30 p.m., Music Bldg, recital hall.

Thursday, Feb. 7 — Colloquy Festival of the Arts, Hollis Apple, film critic, 8 p.m., HUB ballroom.

Thursday, Feb. 7 — Air Force Lt. General Daniel James, Jr., principal deputy as-

sistant secretary of defense (public affairs), on "Power of Individual Excellence," 8 p.m., Schwab.

Friday, Feb. 8 — Music program by guitarist Richard Jackman, 8 p.m., Room 112 Kern. Music of the past 400 years.

Friday-Sunday, Feb. 8-10 — Invitational Student Film Festival, Schwab, 8 p.m. Admission free.

Friday, Feb. 8 — Folk and Square Dance Roundup, 7:30-9 p.m., North Gym, White.

Friday, Feb. 8 — Commonsplace Coffee-house, 8 p.m., Room 102 Kern.

Friday, Feb. 8 — Free Jazz Jammy, 7:30-11:30 p.m., HUB ballroom.

Saturday, Feb. 9 — Sports: Women's Basketball, vs. Shippensburg, 1:30 p.m.; Women's Gymnastics, vs. Ohio State, Kent State, Youngstown State, 2 p.m.; Women's Rifle, vs. Kutztown, 10 a.m.; Women's Swimming, vs. Shippensburg, 2 p.m.; Wrestling, vs. Navy, 8 p.m., Rec Hall; Men's Swimming, vs. Bucknell, 2 p.m.; Men's Fencing, vs. Newark, 2 p.m.; Men's Rifle, vs. Army.

Sunday, Feb. 10 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

Sunday, Feb. 10 — Chapel Service, 11 a.m., Eisenhower Chapel. Rev. Charles L. Coleman, program director, Religious Affairs.

Seminars

Thursday, Jan. 31 — Meteorology, 3:55 p.m., Room 26 Min. Sci. Dr. Richard A. Anthes on "Initial Data Requirements for Operational Hurricane Prediction as Revealed by Dynamic Initialization."

Thursday, Jan. 31 — Remote Sensing, 1 p.m., Room 225 E. E. West. A. David Wilson, graduate in agronomy, on "Agricultural Land Use Mapping Using Remote Data."

Thursday, Jan. 31 — Mechanical Engineering, 4 p.m., Room 103 Mechanical Eng. Bldg. Charles Hendricks, graduate asst., on "The Prediction of Turbulent Confined Jet Mixing."

Thursday, Jan. 31 — Chemistry, 12:45 p.m., Room 310 Whitmore. Melynn R. Churchill, University of Illinois, on "Recent Structure Studies on Organometallic Complexes."

Thursday, Jan. 31 — Agronomy, 3:55 p.m., Room 301 Agr. Adm. L. Steckler and R. Cunningham on "Variability in Soil Mapping Units."

Thursday, Jan. 31 — Mining, 4 p.m., Room 302 Min. Sci. Dr. H. R. Hardy, Jr., mining engineering, on "Rock Mechanics and Mining Research in Europe."

Thursday, Jan. 31 — Physics, 3:35 p.m., Room 117 Osmond. Judan W. Eisenberg, University of Virginia, on "Recent Developments in Nuclear Physics."

Thursday, Jan. 31 — Population Issues Research, 3:30 p.m., Room 341 Deike. Thomas R. Ford, University of Kentucky,

on "Mission Impossible? Population Growth and Family Planning in Colombia." (Informal session on "Evaluation of Procedures for Predicting Net Migration," 11 a.m., Room 22 Burrows)

Thursday, Jan. 31 — Slavic and Soviet Language and Area Center, 3 p.m., Room 17 Willard. Dr. Juris G. Gragins, psychology, on "Psychology in the Soviet Union."

Thursday, Jan. 31 — Statistics, 4 p.m., Room 75 Willard. Robert F. Heckard on "Data Analysis Using the Penn State Computer System."

Friday, Feb. 1 — "Two Cultures Dialogue," 12:30 p.m., Room 189 Materials Research Lab. R. C. Hausman, philosophy, and T. H. Rogers, English, on "Value Considerations in the Humanities."

Monday, Feb. 4 — Plant Pathology, 9:45 a.m., Room 213 Buckhout. Dr. P. J. Kuest, Dr. L. C. Schiefer, Dr. L. R. Kneebone, on "Extension Plant Pathology: Programs and Program Development for Mushrooms."

Monday, Feb. 4 — Current Issues in Food and Agriculture, 1 p.m., Room 202 Borden. Francis Maniere, graduate assistant in food science, on "Marine and Other Food Resources."

Monday, Feb. 4 — Genetics, 3:55 p.m., Room 111 Tyson. Leslie Raffel on "The Enzyme Involvement in Galactose Metabolism: Studies of Possible Induction Effects in Cultured Human Fibroblasts."

Monday, Feb. 4 — Entomology, 4 p.m., Room 215 Armsby. Richard Colburn,

Bureau of Plant Industry, Pa. Dept. of Agriculture, Aransville, on "The Pennsylvania Pilot Apple Root Management Project. Yesterday, Today and Tomorrow."

Tuesday, Feb. 5 — Chemical Engineering, 3:50 p.m., Room 140 Fenske. M. E. Demer, University of Delaware, on "Instabilities in Polymer Processing Operations."

Tuesday, Feb. 5 — Comparative Literature Luncheon and Discussion, 12:15 p.m., HUB Dining Room A. Christopher Salvenson.

Tuesday, Feb. 5 — Operations Research, 3:45 p.m., Room 267 Willard. Dr. Matthew Rosenblum on "Linear Assistance Analysis of Markov Chains — II."

Tuesday, Feb. 5 — Aerospace, 3:55 p.m., Room 232 Hammond. Dr. Alek Mikolajczak, Pratt & Whitney Aircraft, East Hartford, Conn., on "Current Research in Compressor Aerodynamics and Noise."

Wednesday, Feb. 6 — Analytical Chemistry, 8:30 a.m., Room 310 Whitmore. R. W. Liddell on "Computerized Learning Machines Applied to Infrared Spectroscopy."

Wednesday, Feb. 6 — Geosciences, 4 p.m., Room 22 Deike. Thomas F. Bates, mineralogy, on "Geosciences and Land-Use Planning: the Need for Trained Geopolicitians."

Wednesday, Feb. 6 — Psychology, 8 p.m., Room 69 Willard. Dr. Lila Gleitman, University of Pennsylvania, on "Teaching Reading by the Use of Syllabary."

Wednesday, Feb. 6 — Biochemistry, 4 p.m., Room 101 Althouse. L. Stong on "Molecular Basis of Hemoglobin Cooperativity and the Role of Permethylation."

Thursday, Feb. 7 — Chemistry, 12:45 p.m., Room 310 Whitmore. Charles F. Hamer, Georgetown University, on "The Derived Matrix Technique: A New Generation Spectroscopic Method for the Quantitative Determination of Complex Mixtures."

Thursday, Feb. 7 — Meteorology, 3:55 p.m., Room 26 Min. Sci. Dr. Hans A. Panofsky on "Environmental Problems of Supersonic Transport."

Thursday, Feb. 7 — Mechanical Engineering, 4 p.m., Room 103 Mechanical Eng. Bldg. Osluša Oksuneide, graduate student, and Thomas L. Wright, air quality engineer, on "Measurements of Flow Separation in Confined Mixing."

Thursday, Feb. 7 — Engineering Acoustics, 4 p.m., Room 17 Willard. H. Tenkes, aerospace engineering, on "Turbulence: Edbles, Large and Small."

Thursday, Feb. 7 — Mining, 4 p.m., Room 302 Mineral Industries. Dell Adams, Room 301 Agr. Adm. G. Peterson, G. May, D. Henninger, and A. D. Wilson on "Remote Sensing Techniques in Agronomy Research."

Lectures

Thursday, Feb. 7 — Central Pennsylvania Society of the Archaeological Institute of America, 8 p.m., Room 101 Kern. Daniel J. Gegan, professor of history, McMasters University, on "The Renewal of Old Hadrian's Plan for Athens."

Thursday, Feb. 7 — Medieval Art, Lecture Series, 3 p.m., HUB assembly room. Dr. Benjamin Barr, University of Pittsburgh, on "The Invention of a Saint: Julian the Hospitaller."

HUB specials

The HUB Terrace Room has initiated daily special meals for both lunch and dinner at prices much below customary cafeteria prices ala carte. No substitutions are permitted to benefit from these reduced prices. For the next week, the features (all accompanied by appropriate side dishes and beverages) are:

Sunday, Feb. 4 — dinner, baked ham w/sauce \$1.61; supper, wheat rabbit w/slt. \$1.11.

Monday, Feb. 4 — lunch, grilled beef steak \$3.99; dinner, planters beef w/noodles \$1.49.

Tuesday, Feb. 5 — lunch, grilled cheese sandwich \$1.09; dinner, frank & knish \$1.69.

Wednesday, Feb. 6 — lunch, meat pie/cheese \$1.11; dinner, turkey ala king/lt. \$3.29.

Thursday, Feb. 7 — lunch, apple fritters w/sauce \$1.12; dinner, hot beef sandwich \$1.41.

Friday, Feb. 8 — lunch, egg cutlet/alm. sauce \$3.59; dinner, shrimp creole w/rice \$1.49.

Saturday, Feb. 9 — lunch, macaroni & cheese \$3.81; dinner, meatloaf \$1.59.

Meetings

Thursday, Jan. 31 — Central Pennsylvania Chapter of the ACM, 8 p.m., Room 101 Althouse. Panel discussion on the use of computers and data processing, followed by a question and answer period. The public is invited to attend.

Wednesday, Feb. 6 — Graduate Council Meeting, 2:40 p.m., Room 101 Kern.

Films

Thursday-Sunday, Jan. 31-Feb. 3 — Centre Halls, "Love Story," 7:30 and 10 p.m., Room 102 Fern.

Friday-Sunday, Feb. 1-3 — North Halls, "Pete and Tillie," 7:40 and 9:30 p.m., Room 105 Fourn.

Saturday, Feb. 2 — Free-U children's films, "Festival of Folk Heroes," 12:30 and 2:30 p.m., HUB assembly room.

Wednesday-Thursday, Feb. 6-7 — Commonsplace Theatre, "Greetings," 8 and 10 p.m., Room 112 Kern.

Thursday-Sunday, Feb. 7-10 — Centre Halls, "Bless the Beasts and Children," 7:30 and 10 p.m., Room 105 Fourn.

Saturday, Feb. 9 — Free-U children's films, "Hunting Instinct," (Walt Disney), 12:30 and 2:30 p.m., HUB assembly room.

Exhibits

Museum of Art — African Sculpture, Gallery A, through Feb. 3. Prints and Drawings from Central Pennsylvania Collectors, Gallery C.

Zoller Gallery — Nina Rosenblum Invitational, June student art work on the theme of human experience. Mary Lou Thompson, MFA Show, Feb. 4-5.

Kern Gallery — Central Pennsylvania Scholastic Art Exhibit, through Feb. 8. Paul Hirschbach, prints; Jack Shaub, watercolors, opening Feb. 9.

Chambers Gallery — Paintings and drawings by Yar Chomicky. Fiber bags and other constructions by David Van Domelen, through Feb. 11.

Pattee Library — Jean Furst, prints, West Pattee Lobby. Peter Kauffman, paintings, East Pattee Lobby. The Energy Crisis, display, Main Undergraduate Library. Sharon Gray, oil paintings, Circulation Lobby.

Black Cultural Center — John Pettus, pen and ink drawings and black prints.

Official

Tuesday, Feb. 5 — First day for signing NDSL (National Direct Student Loans), SEOG (Supplemental Educational Opportunity Grants), BEOG (Basic Educational Opportunity Program), and University Loans for Spring Term.

WPXS highlights

"Umberto D," Italian director Vittorio de Sica's portrayal of the struggles of old age will be shown on The Humanities Film Forum Thursday Jan. 31, at 9 p.m. on WPXS-TV. Made in 1951, the film goes beyond the theme of old age to make a specific comment on Italian society after World War II. Following the film, satirist James Billington and his guests examine "Umberto D" in terms of the time it was made and its relevance for today. "The Humanities Film Forum" may also be seen Saturday, Feb. 2 at 8:30 p.m.

Metropolitan Opera star John Reardon and the late Jennie Tourel star in "Queen of Spades" Monday, Feb. 4, at 8 p.m. on "The PBS Special of the Week." The Tchaikovsky opera is based on a story by Pushkin and tells of an aged countess who knows the secret of a winning three-card combination that assures its owner of winning any card game.

Bruce Catton, Civil War historian and editor of American Heritage magazine, joins Bill Moyers for a half-hour conversation on "Bill Moyers' Gallery" Tuesday, Feb. 5, at 8 p.m. on WPXS-TV. Topics include Catton's perspective on the current Constitutional crisis.

"Cyranoe de Bergerac," Edmond Rostand's romantic play about the man "with the longest nose in Christendom" and his love for the beautiful Roxanne, is the "Theatre in America" presentation Wednesday, Feb. 6, at 8:30 p.m. on WPXS-TV, performed by the New Haven Conservatory Theater of San Francisco.

Women's varsity sports program is expanding

The constantly expanding women's varsity athletics program will be in full force at University Park facilities in the next week, with events and contests scheduled in gymnastics, basketball, bowling, swimming, and rifle.

The gymnasts, for example, have a four-way meet Tuesday, Feb. 5, at 7:30 p.m. (in White Bldg.) with Lock Haven State College, Cortland (N.Y.) State, and University of Maryland. They follow up with a meet Saturday, Feb. 9, at 2 p.m. against Ohio State, Kent State, and Youngstown State.

The bowling team meets Cornell at 1 p.m., Saturday, Feb. 2, and the same day, at 8 a.m., the rifle team goes against Philadelphia College of Pharmacy, Drexel, and Rider College. The swimmers will be hosts to the team from Shippensburg Saturday, Feb. 9, at 2 p.m., at the White Building pool.

Also on Feb. 9, the basketball team will play Shippensburg at 1:30 p.m. in White Building.

All of which is to point out that women



Karen Schuckman, one of the accomplished women's gymnastics team members, dismounting from uneven parallel bars. Team has two quadrangular meets upcoming.

athletes appreciate spectators as much as their male counterparts, and events are open to the public. In mid-March, a major event will be staged here when the national women's collegiate swimming championships will be held with several Olympic swimmers among the many outstanding performers who will compete.

Free-U seeks Spring Term faculty

The Free-U Instructional program for the Spring Term is being organized at this time, and members of the faculty are requested to make known their willingness to help in the program. A deadline for receiving information, including the subject matter to be covered in the course, has been set for Tuesday, Feb. 19. Forms are available at the Free-U office in the HUB for providing the information to publish the course in the Spring Term Free-U schedule, 1983-0038.

Free-U courses, which are of course free to those who schedule them, cover any subject the instructors want to give, within the limitations of State and local laws. Many instructors teach courses entirely unrelated to their customary field, perhaps getting the information for the course from

a hobby; however, many others teach some aspect of their major field not covered in the formal University courses.

Classes range from 90 minutes to 150 minutes, as the instructor desires; the specific evening or evenings (some courses meet more than once a week) are also the choice of the instructor. Attendance ranges from eight of 40 persons.

Children's courses (for those in the kindergarten to sixth grade range) were offered for the first time this term, with subjects like biology, pottery, French language, dance, and how to care for a horse.

University faculty members are particularly invited to join the Free-U instructional staff; the informal contact with students is, Free-U officers point out, quite a change from the formal classroom.

Air Force general to lecture Feb. 7

Air Force Lt. Gen. Daniel James, Jr., principal deputy assistant secretary of defense (public affairs), will speak at the University next week.

Lt. Gen. James, the highest ranking black officer in the military, will speak on "Power of Individual Excellence" at 8:00 p.m., Thursday, Feb. 7 in Schaeffer Auditorium. His appearance is sponsored by the combined Departments of Military Science in conjunction with the Black Cultural Center.

A graduate of Tuskegee Institute, Gen.

James has seen service in Korea, where he flew 101 combat missions, at various bases in the U.S. and England, in Thailand, where he flew 78 combat sorties, in Libya and again in the U.S. He was named deputy assistant secretary for defense for public affairs in 1970, was promoted to brigadier general in 1970, major general in 1972, and lieutenant general last May. He received his present position in April of last year.

He holds two honorary doctor of laws degrees.

Humanitarian award to Lita Schwartz

Dr. Lita Linzer Schwartz, associate professor of educational psychology at Osgood Campus, has received the Humanitarian Award of the New York Philanthropic League, United Order of True Sisters, Inc. She was cited for "her rare qualities as a young leader in the world of Special Education" and as one who "brings to her task a deep sense of academic responsibility and commitment to the emotion-

ally impaired and handicapped child."

Author of two texts, "American Education: A Problem-Centered Approach" and "Educational Psychology: Focus on the Learner," she is currently conducting research to stimulate creativity in prospective teachers and to help in the diagnosis and remediation of mathematical skills for prospective elementary teachers.

CHANGE IN SOCIAL SECURITY TAX BASE

The Social Security tax base, which was \$10,800 in 1973, has been increased to \$13,200 in 1974. The tax rate of 5.85% is not being changed at this time.

Therefore, a payroll deduction of 5.85% will be taken on the first \$13,200 of University earnings for each faculty and staff member during the calendar year 1974.

Similarly, since each dollar of tax paid by an employee is matched by the University's contribution will be increased by the same amount.

No experience required; clinic Feb. 2

Judges needed for swim championship

In March, Penn State will play host to some 500 women swimmers and divers for the national collegiate championships, and for the three-day event a great many judges are required. The assistance of many local people, faculty and staff and other area residents will be needed.

Some of the judges will undoubtedly have to come from among those who have never judged a swim meet before but are willing to lend a hand. To help them understand judging better, a clinic will be held

this Saturday (Feb. 2) from 9:30 a.m. to about 12:30 p.m. at the White Building Pool, and any adult interested is urged to attend this clinic.

In the area are, undoubtedly, some who have had experience in judging, perhaps holding a certificate from a YMCA, YWCA or swim club activity. They are urged to make their capability known to the planners of the meet by calling 865-7591; they are not being asked by this time to attend the clinic.

Breslin, Schneider among speakers

Colloquy arts festival in full swing

The program of the Colloquy "Festival of the Arts" for the next week includes a variety of films and discussions.

Today (Thursday, Jan. 31), the film "Seven Year Itch," starring Marilyn Monroe, will be shown at 8 p.m. in the HUB ballroom, following which Ellis Grove, associate professor of theatre arts, will lead a discussion of the film.

Friday (Feb. 1), the film "The Gang that Couldn't Shoot Straight" will be shown at 8 p.m. in the HUB ballroom.

Jimmy Breslin, internationally syndicated columnist and author of "The Gang that Couldn't Shoot Straight" and other books, will speak Saturday, Feb. 2, at 8 p.m. in Schaeffer Auditorium.

The film, "Gentlemen Prefer Blondes," will be shown Sunday, Feb. 3, at 8 p.m. in the HUB assembly room, and following the showing, George H. Bouwman, professor of theatre arts, will discuss the film.

Monday, February 4, Alan L. Schneider, theatre director, lecturer and teacher, will answer the question, "The Theatre — Is It Dead?" at 8 p.m. in the HUB ballroom. Schneider, Russian-born, has won the Tony Award, Outer Circle Award (for "Who's Afraid of Virginia Woolf?"), OBIE Award, Prix Special Du Jury (Tours, France), and



Alan Schneider

NEWS —

(Continued from page one)

will comprise the recital by Gregory Donovetsky, instructor of music, Wednesday, Feb. 7, at 8:30 p.m. in the Music Bldg. recital hall.

Violinist Raymond Page, associate professor of music, will join Donovetsky in the performance of Bach's "Concerto for Oboe and Strings." Works by Telemann and Vivaldi and Handel's "Concerto in G Minor" are on the program, and harpichordist June Miller and a small string orchestra of music faculty and students will also assist at the recital.

A member of the Claremont Woodwind Quintet, Donovetsky has performed extensively, most recently with the Susquehanna Valley Symphony last November.

other awards in Germany and Italy in direction of stage productions or film. He has been a free-lance director on an off-Broadway, throughout the U.S., in England and Israel since 1941.

Tuesday, Feb. 5, the film "Bus Stop" will be shown at 8 p.m. in the HUB assembly room.

The week's activities will conclude with a talk by civil rights activist Alpert Thursday, Feb. 7, at 8 p.m. in the HUB ballroom on the subject, "Art, Commerce, and the American Movie."

ALTOONA PLAYERS

Two one-act plays, "Lysistrata" and "The Golden Fleece," will be performed by the Ivyville Players of Altoona Campus Feb. 14, 15 and 16, with curtains at 8:15 p.m. Carol Ramsey, instructor in speech, is directing "Lysistrata," in which Leslie Marshall, assistant professor of English, will play the title role. Dr. Fred B. Cipriani, assistant professor of chemistry, is member of the cast also.

FOLK MUSIC

Russell Fluharty is to be featured guest lecturer and artist Tuesday, Feb. 5, at 8 p.m. in the Capitol Campus as part of continuing Symposium on American Music and Culture-Rural Tradition.

Select committee on governance seeks views of University

The following statement has been made by the Joint Senate-Administrative Select Committee on Faculty Participation in University Governance, appointed recently. The same statement will also be mailed directly to faculty members.

The Joint Senate-Administrative Select Committee on Faculty Participation in University Governance is eager to obtain, from all segments of the University community, views and opinions on the existing problems in faculty-administration relationships as well as opinions about changes and improvements that can be made in those relationships. The Committee would welcome written communications addressed to the Chairman of the Committee, Robert S. Friedman, 111 Barrows Building. Individuals wishing to make oral statements should contact Professor Friedman in order to arrange for a meeting with the Committee. It would also be helpful to the Committee if individuals making oral presentations would provide the Committee with a copy of their text or an outline of the issues they wish to raise.

The Committee has already begun its delibera-

tions and has set out some guidelines for purposes of discussing a number of issues that its members have identified as problem areas. Members of the University community may be interested in responding to any or all the questions that the Committee has identified. They may also wish to raise additional issues.

The Committee has identified the following process areas in which the faculty and its Senate may perform legislative, advisory, and consultative functions: 1) academic personnel policies; 2) academic program initiation, change, and review; 3) establishment of priorities, planning, and budgeting; and 4) participation and/or consultation in administrative appointments. In some of these areas, the Senate plays a role at Penn State. In others, advisory groups, ad hoc groups, and the University Council participate. And, perhaps, in some there is no regular faculty role at present. In examining the faculty's role in these processes, a list of questions for Committee deliberations has been developed as follows:

1) How can faculty administration consultation be strengthened to assure both groups of effective representation of faculty views?
a) Are there new mechanisms needed in areas where they do not currently exist?

c) Is greater clarification of the division of responsibility needed among the faculty, the Senate and its committees, and the administration?

d) How can the skills of the faculty, in all its diversity, best be employed?

e) Does the feedback mechanism, following consultation, need to be improved?

f) Are all elements within the faculty adequately represented?

g) How can communications between the faculty, the Senate, and the administration, on issues of special importance to faculty members, be made more effective?

h) Are there mechanisms to improve communications between the Senate and its constituents? (There may be special issues with respect to campuses other than University Park.)

i) Are there mechanisms to improve communications between the Senate and outside agencies of the University — i.e., Graduate Council, faculty organizations, administrative committees, etc.?

j) Is there need for change in the internal structure of the Senate to enable it to perform its functions more effectively?

k) Can confidence in the work of Senate committees be strengthened?

l) Should the Senate itself place greater emphasis on major policy questions and defer authority to its committees on lesser questions?

m) Is further clarification needed in delineating the advisory, consultative, and legislative functions?

n) Are Senate committees sufficiently accessible? What techniques can be used to speed up the Senate decision-making process?

o) Is the Senate sufficiently representative of all elements in the University community?

p) Is there need for new mechanisms to strengthen the University's internal decision-making process?

q) Should formal relationships be developed between the Senate and particular administrative offices?

r) Is the Senate's internal structure organized to deal adequately with the major issues facing the University and the structure created to deal with those issues?

PENN STATE intercom

Volume 3, Number 21

February 7, 1974

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

Governance

The Joint Senate-Administrative Select Committee on Faculty Participation in University Governance will hold an open meeting at 1:30 p.m. Thursday, Feb. 21, in Room 112, the Assembly Room, Kern Graduate Bldg., to hear from any member of the University community — administration, faculty or students — regarding faculty participation in governance. To assist in scheduling, persons wishing to appear are asked to contact the committee chairman, Dr. Robert S. Friedman, 118 Burrows Bldg., 853-5544.

Polish writer has Pavilion play opening Feb. 15

Polish playwright Slawomir Mrozek, a Fellow of the Institute of the Arts and Humanistic Studies in residence at the University for the Winter Term, has had his plays produced in the major capitals of the world and published in many languages, and he has worked and visited around the globe.

Hailed as one of Europe's most inventive young playwrights, a master of political and moral satire, he was writer-in-residence at the Stratford Festival Theatre in Ontario in 1969. Since then, he has had similar theatre connections in Ottawa, New York, and Washington, D.C., the last on a Ford Foundation grant, participated in a theatre festival in Iran, and lectured at the Drama School in Zurich, Switzerland. At Penn State, Mrozek is busy. He is

(Continued on page four)

Teacher has the experience, students have intellectual capacity

Professors should face class with some trepidation—Jordan

Graduate school can be a "neurotic experience" for many students, according to a chemistry professor who has supervised some 40 advanced degree candidates.

"The neuroticism," says Dr. Joseph Jordan, "arises from the fact that graduate students are still in school and are told what to do at an age when they are physically and intellectually fully developed.

The solution is a system in which we could identify persons qualified for graduate work at an early age and compress their education into fewer years. Then, by 19 or 20, they would be ready to go out into the world and offer the leadership of which

they're capable. Unfortunately, nobody seems to be doing anything about the problem."

Another unsolved problem which Dr. Jordan identifies is the selection process that operates when graduate students choose a research preceptor.

"Too often," he points out, "the choice has little or no connection with the student's research interests. One person may be looking for a strong father figure and picks out an advisor to fulfill this need. Another is seeking independence and uses this criterion as the basis of choice. Inevitably, a number of students are going to wind up in the wrong field."

The concerns of students are very important to Dr. Jordan. During his 20-year career at the University, he has authored more than 100 papers, pioneered new methods of electrochemistry and thermochemical analysis, and become internationally recognized as a pioneer in the new field of bioelectrochemistry. But teaching is as vital to his functioning as research.

"Like everyone else," he notes, "I'm squeezed between my teaching and scientific interests, so every summer I try to catch up on my research. But by the time fall approaches, I'm really looking forward to meeting my graduate and undergraduate classes again.

I've taken sabbaticals in Switzerland and France, and each time I've had teaching involvements. It gives you contact with people you wouldn't otherwise have. In Zurich, most foreigners find the Swiss very closed and reserved, but I taught a graduate course there, and by the end of the term, students were regularly stopping by my office to talk to me.

"I think we as professors should face a class of students with some trepidation. Studies have shown that we reach our full intellectual development at about 19, after which we either decline or remain stationary. So when a person my age teaches a class, it's a bit paradoxical. I have more experience, but the students have a fuller intellectual capacity!"

Dr. Jordan spent his own student days in what was then the British Mandate in Palestine. Born in Rumania, he lived briefly in the Middle East as a very young child when his physician father was hired to provide medical services to a remote village in Northern Galilee. The family moved back to Rumania when his father contracted

county fair is depicted in a documentary. In all, some 50 films have been entered in competition, with five from Penn State.

A special video taping will be done Feb. 9, to be shown later, of George Bouwman, professor of theatre arts, with the judges (Alpert, Barron, and Van Dyke) discussing three of the films.

and place for documentary, dramatic and experimental films.

Admission to the film showings is free. The entries in the festival include cartoons, documentaries, dramatic productions, and artistic expressions. Many are directed toward social problems — Old Age, Appalachia, etc. An original comedy is entered in the drama classification, and a

Students to help with tax questions

For many Penn State students, the mysteries, and miseries, of filling out a Federal Income Tax form for the first time will be eased to a degree by members of Beta Alpha Psi, accounting honorees fraternally, who are offering their services free to students to answer tough questions the "customer" can't answer for himself.

The free tax information service will be provided from the start of classes for the Spring Term (March 14) until April 15 (deadline date for filing) at a special table in the HUB and perhaps at restricted times in residence halls, depending on the number of volunteers available and the number of problems presented.

BAP officers emphasize that students with career aspirations in accounting, and tax work in particular, can gain valuable

experience by volunteering to help in the service, and they need not be members of the honor society. They will also accept the aid of faculty members and graduate students who wish to be active in the service.

The service is not intended to include tiling out of tax forms but only the answering of difficult questions, and it is intended only for students. If the question is too difficult for those providing the help, Dr. John P. Devereaux, assistant professor of accounting, will help the workers to research tax regulations for an answer.

For further information, and also to volunteer as a worker, call Ted Backman, 238-7383, or Joni Alexander, 855-8359, both members of Beta Alpha Psi and coordinators of the project.

malaria, returning to Palestine in 1938.

"I went through college and graduate school at the Hebrew University in Jerusalem," Dr. Jordan continues. "Astoundingly, the years between 1938 and 1944 were relatively quiet. World War II bypassed the British Mandate, so it was one of the few places where schooling continued on an essentially normal schedule."

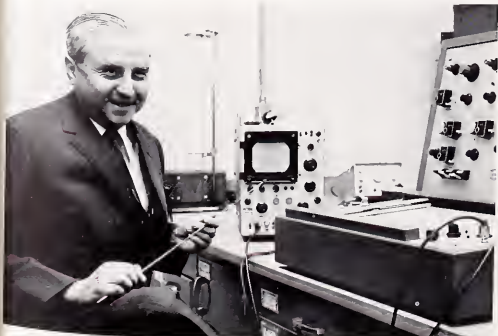
Dr. Jordan remained in Israel through the 1948 war of independence, finally leaving in 1950 to become a research fellow at Harvard and later at Minnesota. At the latter university, he met and married his wife Colina, a Dutch social worker.

Throughout Dr. Jordan's professional career, the fundamental and applied aspects of his research have been intimately interwoven. This double aspect, he notes, is what attracted him to the field of analytical chemistry in the first place, and he has always tried to maintain a balanced program in two areas: electrochemistry and thermochemistry.

During the last ten years, he has picked up an interest in bioelectrochemistry, which involves the study of the transfer of electrons in biological systems. The capability of many molecules and living organisms to transfer electrons rapidly or slowly is very important for their function.

For example, hemoglobin's ability to carry oxygen is based on the property of the basic complex of heme to transfer electrons very slowly. But nature also uses the same iron complex in cells to transfer electrons quite rapidly. Dr. Jordan and his group are trying to discover under what circumstances heme is a fast electron transfer and when it is a slow one. If this were understood, it might help chem-

(Continued on page two)



Dr. Joseph Jordan, with polarograph, in studies of electron transfer in biological systems.

March 31 deadline for medical claims

March 31, 1974, is the last date on which the Employee Benefits Division will accept charges for a 1973 major medical claim from University employees or their dependents.

A major medical claim is established once an employee reports \$100 of eligible, out-of-pocket medical expenses during the claim year period of January through December. If a major medical claim was not established in 1972, but charges were incurred in October, November, or December of that year, these charges may also be included in the reporting of expenses for a 1973 claim.

JORDAN —
(Continued from page one)
ists make synthetic substances to replace natural ones, e.g., artificial hemoglobin. "The original feature of our program is that we are not trying to study how this electron transfer occurs in reactions between two chemicals like iron and oxygen," Dr. Jordan explains. "I feel that one can learn more about the properties of heme itself by isolating it and studying it alone. We do this by supplying its properties directly with an electric current."

Thermochemistry and thermochemical methods of analysis are long standing interests of Dr. Jordan's. In this research, he is trying to measure slight temperature changes (1/1000°) which occur in chemical reactions in very dilute solutions to learn why some reactions produce heat and others absorb it.

"By developing means of automatically measuring the cooling and heating of solutions," he adds, "we would also improve the instrumenting of immunological analysis in the clinical tests done in hospital laboratories — an analysis which is still more of an art than a science."

In pursuit of his research interests, Dr. Jordan has now crossed the Atlantic 30 times and the Pacific on three separate occasions.

"Clearly, I like traveling," he says, "but I'm always ambivalent about it because of the catch-up pressures when I return. However, it's necessary since my scientific interests are quite specialized, and the relatively few people with similar ones are spread around the world."

Dr. Jordan's work for the International

Some of the charges that are acceptable for a claim are doctors' office calls and other doctor charges not reimbursed by UNICARE, prescribed drugs, insulin, physiotherapy, and special equipment and appliances. Itemized receipts should be obtained for these charges; cancelled checks and cash register receipts are not acceptable. Among charges not covered are general physical exams, routine dental work, eye exams and lenses.

Claim forms and other information on how to report major medical expenses are available at the Employee Benefits Division, 133 Willard Bldg.

Union of Pure and Applied Chemistry (IUPAC) also adds to his travel schedule. He is currently U.S. representative to IUPAC's Commission of Electroanalytical Chemistry, having served as Commission chairman from 1967 to 1971.

A member of the advisory board of "Talents," an international journal of analytical chemistry, Dr. Jordan also serves on the editorial board of "Analytical Letters" and spent three years doing similar chores for "Analytical Chemistry." He has held visiting professorships at Berkeley, Cornell, and the Swiss Federal Institute of Technology and was awarded a Fulbright lectureship in Paris.

In 1972, the Hebrew University named him its first I. M. Kolthoff Lecturer in Analytical Chemistry, and he was able to take his family back visit the places he had known as a student.

Dr. Jordan and his wife love children, and they have four of their own, ranging in age from nine to 19. Despite his commitment to his profession, he manages to spend a lot of time with them. One of his efforts in this direction resulted in his becoming the owner of a horse when he took up riding after his oldest daughter became interested in it.

"A few years later, her interests changed," he recalls ruefully, "and I found myself exercising the horse alone. Needless to say, I sold it."

"Sometimes, I really feel quite frustrated by my roles as a part-time father, husband, scientist and educator. Maybe," he says smiling, "it would be better if one could divide one's life up and spend five or ten years pursuing one role at a time!"

independent study by students in the course on horticultural plants and their environment.

Dr. Werner J. Mueller, professor of Euryology, will visit laboratories in Europe where leading work on calcium metabolism is being carried out. He also plans to prepare a chapter on egg shell formation and skeletal metabolism for the book, "Avian Physiology." He will be on leave from Mar. 15 to Aug. 31.

Dr. Lee C. Schisler, professor of plant pathology, will be in British Columbia for a year beginning July 1, to study fleshy fungi in the rain forest climate there. He will attempt to identify mushrooms with a potential for commercial production, collecting various species for the purpose of making cultures and determining how to fruit them.

(1152) NSF announces a program of Faculty Fellowships designed to help teachers broaden their perspective in the applications of science to societal problems. University and college applicants in the sciences, mathematics, and engineering disciplines must have had "five or more years of full time teaching." About 50 awards will be made by May 31, 1974. Application deadline is April 1, 1974. Stipends for the 3- to 9-month fellowships will be based on the salary paid during the preceding years. Travel is paid, and the fellowship institution will be given a tuition allowance. Applications will be available from the Faculty Fellowship in Science Program, Division of Higher Education, NSF, Washington, D.C. 20559 (202)281-7595.

(1153) The NSF Div. of Social Systems and Human Resources (SSHHR) will provide up to \$2 million to support research in (1) equipment technology and (2) computer program utilized by social scientists. Equipment technology research will be aimed at the improvement of information available to local government officials who want to specify and select equipment technologies. Computer program research will provide information regarding the characteristics of existing computer pro-

Extension personnel develop "manure power"

Methane generator a Farm Show hit

One of the busiest attractions of the 1974 Pennsylvania State Farm Show in mid-January was the "Methane Gas Generator," a display which was as timely as the daily news. It had its impact because it was related to the energy crisis.

Many of the people attending the Farm Show are, it goes without saying, from farming areas. They are interested in fuels of any kind but at their entire operation, and anything showing promise of relieving the crisis in the fuel field is bound to be of interest. The display added further interest: hamburgers and coffee were heated by methane produced by the generator that was the focal point of the display.

Being more specific, the methane gas was produced from cow manure, and the generator was devised by Lebanon County Agent Glen Miller and the Agriculture of Lebanon, Fair, and Area Resource Development agent Donald Harter. It was first displayed during Agricultural Progress days last year and since then has gained attention from national news services, various publications, and Voice of America. In addition to the Farm Show audience.

Since then, additional attention has been directed toward the Miller-Bair-Harter device in that the State has provided the College of Agriculture with a grant of \$12,700 for the period of February 1, 1974, for the purpose of conducting additional research on the device.

Harter reports that to date about 150 letters and phone calls, from 36 states and from England and Canada, have come to the Extension Service Office in Lebanon to obtain more information about the methane gas generator, but no one is yet ready to make sweeping claims for the usefulness of the device; there isn't any question about the fact that the generator works.

In fact, the specific method for producing the methane gas is not new. Based simply on the natural process of digestion of the manure in an anaerobic atmosphere, the generator is used in India where there are said to be more than 2,500 devices of this general nature in rural villages and farms.

What brings the generator into focus at this time is economics; the cost of other fuels is now reaching the point where the operating and fixed costs of producing methane gas on the farm by this method may become competitive.

No one questions that the potential for producing methane on the farm in Pennsylvania is significant, and the use of manure as a fuel it could be used. Presumably a storage tank would be needed and some kind of pump to build up the gas pressure in the tank. The digester, while relatively simple, requires a heating device, possibly electric, to heat a mixture of manure and water (equal parts) to about 100 deg. F. (During summer months, little extra heat would be necessary.)

What research data is available indicates that about 10 cubic feet of methane can be generated from two or three pounds of dry animal waste. It is said that the State's 700,000 milk cows produce an esti-

mated 1.75 million tons of dry organic wastes yearly, but not all of this could ever be put to use economically to produce methane gas. Just how much could be also a subject for economic analysis.

Miller and Bair obtained a how-to-do-it manual for a generator from the director of the Gobar Gas Research Station in Ajmalpura, India. They started with three steel drums, 30 and 40 gallons, some gas pipe fixtures, an electric heating element and some other scrounged parts, obtained some bacterial starter from the Lebanon Sewage Disposal plant, and began their operation. Three weeks later they got their first ignitable gas (about 72 per cent methane, 18 per cent CO₂, and 10 per cent other gases).

To use the gas in practical ways, it was necessary to devise a pressure tank, pump, and control valves, which Miller and Bair mounted on a garden tractor. Then they designed a carburetor for the tractor, which Bair uses to mow his law. It works.

As a side benefit, the nitrogen in the manure is not removed in the digesting process so that the manure can be used as fertilizer — and has the extra bonus of being practically odorless on the land. There are certain hazards in an operation of this kind, and engineers will study the safety aspects of the generator.

Staff vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-3471 (Network Line 475-3837). Applications for these vacancies will be accepted until:

5 P.M., THURSDAY, FEB. 21, 1974

STAFF EMPLOY — DISPENSARY RITENOUR HEALTH CENTER STAFF NURSES

University Park
Responsible for assigning physicians by providing nursing services and administering emergency treatment. Registered Nurse plus nine to twelve months effective experience.

MONOGRAPH ACQUISITIONS ASSISTANT UNIVERSITY LIBRARIES University Park

Responsible for coordinating the functions involved in monograph acquisition, for effecting changes in procedures and processes to provide more effective acquisition service. Bachelor's degree, preferably in Business Management, or equivalent, with the working knowledge of the book trade, including the special duties of outprints and antiquarian dealers and one to two years effective Library experience. Knowledge of publishing procedures of the United States and foreign countries necessary.

AREA REPRESENTATIVE CONTINUING EDUCATION Altoona Campus

Responsible for the functions of development, organization, operation, and administration of Continuing Education programs and services within an assigned geographical district. Bachelor's degree with one to three years effective experience in business, industry or education.

Applications for staff vacancies are considered without regard to race, color, creed, sex, or national origin.
THE UNIVERSITY IS AN EQUAL OPPORTUNITY EMPLOYER

Educational Research and Development Programs

Research Foundation, 1000 West 49th St., New York 10020 (212)974-2273.
(1155) To support policy and program studies aimed at full utilization of the National Science Foundation's research and development program, the U.S. Department of Labor's Manpower Administration will fund "research and evaluation of new and existing manpower knowledge." Studies of limited or special areas are supported where they can be shown to provide a basis for generalized conclusions or wide applicability. Grants range from \$25,000 to \$150,000 and may be awarded for up to 18 months. For more information, contact: Robert Manfield, Div. Chief, Office of Research Grants, Manpower Administration, Room 3705, 1000 West 49th St., New York 10020 (212)978-7255.
RESEARCH AND EVALUATION OF NEW AND EXISTING MANPOWER KNOWLEDGE
Feb. 15 for seven NSF research and evaluation projects (Jan. 31 INTERCOM 4114-2) — Feb. 15 for NSF Instructional Scientific Equipment Program (Jan. 31 INTERCOM 4115-2) — Feb. 15 for Smithsonian Institution Grants (Jan. 31 INTERCOM 4116-2) — March 1 and several subsequent for NEA Museum Programs (Jan. 31 INTERCOM 4117-2) — March 15 for Smithsonian Institution research grants (Jan. 17 INTERCOM 4118-2) — March 15 for NEH Education Project Grants (Jan. 24 INTERCOM 4119-2).

Funding Opportunities

For more information, call 865-1372 except where noted below, and refer to the item by its number and the general information provided. People with previous information for distribution in this column should call the same number.

February 7, 1974
(1151) The NSF Office of Science Information Service (OSIS) supports programs aimed at improving the dissemination and use of scientific and technical information. Activities support research, development, and demonstration projects. Priority areas include: education of information transfer, user support, information systems, and foreign science activities. Research is emphasized; OSIS will fund studies that advance information science, applied studies, and applications of technology that improve existing services. Other NSF offices support scientific and technical information and communications, e.g., publishing of research results, education course and curriculum development, information interchange in RANN programs, and accumulation of scientific information and data. Internal inquiries are encouraged prior to formal proposals. Contact Lee G. Burchinal, Head, OSIS, NSF, 1900 Pennsylvania Ave. N.W., Washington, D.C. 20559 (202)352-5824.

University Calendar

February 7-17, 1974

Special Events

Thursday, Feb. 7 — Colloquy Festival of the Arts, Hollis Alpert, film critic, 8 p.m., HUB ballroom.

Thursday, Feb. 7 — Air Force Lt. General Daniel James, Jr., principal deputy assistant secretary of defense (public affairs), on "Power of Individual Excellence," 8 p.m., Schwab.

Thursday-Sunday, Feb. 7-9 — University Theatre, "Saint Joan," 7:30 p.m., Playhouse Theatre.

Friday, Feb. 8 — Music program by guitarist Richard Jackman, 8 p.m., Room 112 Kern. Music of the past 400 years.

Friday-Sunday, Feb. 8-10 — Invitational Student Film Festival, Schwab, 8 p.m. Admission free.

Friday, Feb. 8 — Folk and Square Dance Roundup, 7:30-9:30 p.m., North Gym.

Friday, Feb. 8 — Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

Friday, Feb. 8 — Free-J Jammy, 7:30-11:30 p.m., HUB ballroom.

Saturday, Feb. 9 — Sports: Women's Basketball, vs. Shippensburg, 1:30 p.m.;

Women's Gymnastics, vs. Ohio State, Kent State, Youngstown State, 2 p.m.; Women's Rifle, vs. Kutztown, 10 a.m.; Women's Swimming, vs. Shippensburg, 2 p.m.; Wrestling, vs. Navy, 8 p.m., Rec Hall; Men's Swimming, vs. Bucknell, 2 p.m.; Men's Fencing, vs. Newark, 2 p.m.; Men's Rifle, vs. Army.

Sunday, Feb. 10 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

Sunday, Feb. 10 — Chapel Service, 11 a.m., Eisenhower Chapel. Rev. Charles L. Coleman, program director, Religious Affairs.

Sunday, Feb. 10 — Reception for the opening of "Charles Sheeler: The Works on Paper," 3-5 p.m., Museum of Art.

Monday, Feb. 11 — Margaret Smith, violin recital, 8:30 p.m., Music Bldg. vocal recital.

Tuesday, Feb. 12 — Faculty Women's Club seminar, 9:30-11 a.m., HUB assembly room. Dr. Lynn Brinkman, nutrition science, on "American Food: Health and Hoax."

Tuesday, Feb. 12 — Sports: Women's Basketball, vs. East Stroudsburg, 2:30 p.m.; Basketball, vs. John Driscoll, gallery

talk on "Charles Sheeler: The Works on Paper," 10:30 a.m., Gallery A, Museum of Art.

Tuesday, Feb. 12 — Student panel discussion, film, and talk by Dr. S. R. Gelman on mental institutions, 7:30 p.m., Room 101 Chambers, sponsored by Society of Student Social Workers.

Wednesday, Feb. 13 — Representative to State legislature, Mr. Belomoni, on lowering the drinking age, 8-10 p.m., Pollock Lounge, sponsored by the Pollock N.R.H.A.

Wednesday, Feb. 13 — Artists Series, The Films of Luis Bunuel, "Tristana," 8:30 p.m., Schwab.

Wednesday, Feb. 13 — University Theatre student preview, "Blessed Event," by Slawomir Mrozek, in U.S. premiere, 7:30 p.m., Pavilion Theatre.

Wednesday, Feb. 13 — Musica da Camera, 8:30 p.m., Music Bldg. recital hall.

Thursday, Feb. 14 — "Mandabi" color feature-length film, 7:30 p.m., Black Cultural Center. Sponsored by the Black Cultural Center and the French Department.

Thursday, Feb. 14 — Talk on general crafts by Sue Weltman, freshman in education,

8 p.m., Room 101 Kern. Officers Society. Also election of new officers.

Friday, Feb. 15 — Colloquy, Dan Rather, 7:30-10:30 p.m., HUB ballroom.

Friday, Feb. 15 — Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

Friday-Saturday, Feb. 15-16 — Artists Series, Lotte Goslar's *Pantomime Circus*, Friday at 8:30 p.m.; Saturday, children's performance at 10:30 a.m., Schwab.

Friday-Saturday, Feb. 15-16 — University Theatre, "Blessed Event," 7:30 p.m., Pavilion Theatre.

Saturday, Feb. 16 — Sports: Women's Basketball, vs. Wilson, 1:30 p.m.; Women's Gymnastics, vs. Towson State, 2 p.m.; Women's Swimming, vs. Underkuffler, 2 p.m.

Sunday, Feb. 17 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

Sunday, Feb. 17 — Chapel Service, 11 a.m., Eisenhower Chapel. Very Rev. Demetrius Dunn, O.S.B., Rector, St. Vincent Seminary, Latrobe, Pa.

Sunday, Feb. 17 — Fashion Show, 3 p.m., HUB main lounge, sponsored by Fashion Industry Intercollegiate Council, Inc. Development. "Clothing Coordination for Spring," Butterick representative.

Seminars

Thursday, Feb. 7 — Chemistry, 12:45 p.m., Room 310 Whitmore. Charles F. Hammer, Georgetown University, on "The Derived Matrix Technique: A New General Spectroscopic Method for the Quantitative Determination of Complex Mixtures."

Thursday, Feb. 7 — Meteorology, 3:55 p.m., Room 26 Min. Sci. Dr. Hans A. Panofsky on "Environmental Problems of Superstorm Transport."

Thursday, Feb. 7 — Mechanical Engineering, 4 p.m., Room 103 Mechanical Eng. Bldg. Olusola Okunseinde, graduate student, and Thomas L. Wright, air quality engineer, on "Measurements of Flow Separation in Confined Mixing."

Thursday, Feb. 7 — Engineering Acoustics, 4 p.m., Room 71 Willard. H. Tennekens, aerospace engineering, on "Turbulence: Eddies, Large and Small."

Thursday, Feb. 7 — Mining, 4 p.m., Room 302 Mineral Industries. Dell Adams, Vice-President (Exploration), Consolidated Coal Co., Pittsburgh, on "Planning and Engineering of Large Surface Coal Mines."

Thursday, Feb. 7 — Agronomy, 3:55 p.m., Room 301 Agri. Adm. G. A. Peterson, G. May, D. Henninger, and A. D. Wilson on "Remote Sensing Techniques in Agronomy Research."

Thursday, Feb. 7 — Geography, 3 p.m., Room 107 Social Science Bldg. Dr. Roger L. Downs on "Cognitive Mapping and Spatial Behavior."

Thursday, Feb. 7 — Statistics, 4 p.m., Room 75 Willard. Lee C. Wensel, University of California at Berkeley (visiting adjunct professor), on "The Relative Efficiency of Ratio and Regression Estimators in Finite Populations."

Thursday, Feb. 7 — Biophysics, 4 p.m., Room 310 Whitmore. Walter W. Karakawa, biochemistry, on "Cellular and Humoral Interaction in Staphylococcal Immunity."

Friday, Feb. 8 — Physical Chemistry, 4 p.m., Room 310 Whitmore. Thomas E. Dykstra, University of Rochester, on "Microwave Spectra and Structure of H₂O Dimer and HF Dimer."

Monday, Feb. 11 — Computation Center RJE/BAT File System, 7:30 p.m., Room 201A Business Administration.

Monday, Feb. 11 — Plant Pathology, 9:45 a.m., Room 213 Buckhout. Dr. D. H. Peterson on "Extension Plant Pathology: Programs and Program Development for Deciduous Fruits and Grapes."

Monday, Feb. 11 — Current Issues in Food and Agriculture, 1 p.m., Room 202 Board. A. George Maklad on "The Energy Crisis and Food Production."

Monday, Feb. 11 — Genetics, 3:55 p.m., Room 111 Tyson. Y. S. Park on "Genotype-Environmental Interaction in Douglas Fir in Pa. Nurseries."

Tuesday, Feb. 12 — Center for Study of David Roessner, Office of Research Development and Assessment, National Science Foundation, on "Innovation in Public Organizations."

Tuesday, Feb. 12 — Aerospace, 3:55 p.m., Room 232 Hammond. G. W. Warren Hall, Calspan Corporation, Buffalo, N.Y., on "Control in Flight Simulator Technology."

Tuesday, Feb. 12 — Black Studies Committee and College of Arts and Architecture, 7 p.m., Zoller Gallery. Dennis G. Duerden, on "The Hunter in African Art."

Tuesday, Feb. 12 — Geosciences, 4 p.m., Room 26 M. S. Harold Marsusky, Civil Scientist, Center of Astrogeology, U.S. Geological Survey and AAPG Distinguished Lecturer, on "Mars Geological History and Geology."

Tuesday, Feb. 12 — Chemical Engineering, 3:50 p.m., Room 140 Fenske. C. R. Hartzell on "Electrochemical Reactions in Biological Systems."

Tuesday, Feb. 12 — Solid State Physics, 1 p.m., Room 445 Davey. Dr. George Whitfield on "Introduction to BCS Theory of Superconductivity," (first of two talks).

Tuesday, Feb. 12 — Comparative Literature Luncheon and Discussion, 12:15 p.m., HUB Dining Room. A. Eugene A. Borza.

Wednesday, Feb. 13 — Biochemistry, 4 p.m., Room 101 Althouse. R. Shaw on "Molecular Basis of Hemoglobin Cooperativity B. Other Models."

Wednesday, Feb. 13 — Analytical Chemistry, 8:30 a.m., Room 310 Whitmore. H. A. Clark on "Graph Theory in Analytical Chemistry."

Wednesday, Feb. 13 — Computation Center RJE/BAT File System, part II, 7:30 p.m., Room 201A Business Administration.

Wednesday, Feb. 13 — Speech Communication, 8 p.m., Room S209 Human Development. Dr. Gerald R. Miller, Michigan State University, on "Persuasion and Social Control: A Paradigm."

Thursday, Feb. 14 — Chemistry, 12:45 p.m., Room 310 Whitmore. Martin Semmelhack, Cornell University, on "Transition Metals as Agents for Carbon-Carbon Bond Formation in Organic Synthesis."

Thursday, Feb. 14 — Physics, 3:55 p.m., Room 117 Osmond. Heinz R. Pagels, Rockefeller Institute, on "Chiral Symmetry and Hadron Dynamics."

Thursday, Feb. 14 — Agronomy, 3:55 p.m., Room 301 Agri. Adm. T. L. Watschke on "Solving Turfgrass Problems Through Research."

Thursday, Feb. 14 — Mechanical Engineering, 4 p.m., Room 103 Mechanical Engineering Bldg. Michael Volk on "Aerosol Coagulation in an Aqueous Field."

Thursday, Feb. 14 — Remote Sensing, 1 p.m., Room 222 Electrical Eng. West. Darrel Williams on "Computer Analysis for Mapping of Gypsy Moth Defoliation Levels in Northeastern Pennsylvania, Using ERTS-1 Data."

Thursday, Feb. 14 — Slavic and Soviet Language and Area Center, 3 p.m., Room 117 Willard. Robert McIntyre, economics, on "Pro-Natalist Policy in Eastern Europe."

Thursday, Feb. 14 — Computer Science, 4 p.m., Room 101 Althouse. E. C. Horvath, Princeton University, on "An Efficient In-Place Stable Sorting Algorithm."

Lectures

Thursday, Feb. 7 — Central Pennsylvania Society of the Archaeological Institute of America, 8 p.m., Room 101 Kern. Daniel J. Geagan, professor of history, McKeesport University, on "The Renewal of a City: Hadrian's Plan for Athens."

Thursday, Feb. 7 — Medieval Art Lecture Series, 3 p.m., HUB assembly room. Dr. Benjamin Bart, University of Pittsburgh, on "The Invention of a Saint: Julian the Hospitaller."

Monday, Feb. 11 — "What We Can Learn from African Art," by Dennis G. Duerden, managing editor, "Cultural Events in Africa," 8 p.m., Room 112 Kern, sponsored by University Black Studies Committee and the College of Arts and Architecture.

Thursday, Feb. 14 — Medieval Art Lecture Series, 3 p.m., HUB assembly room. Dr. Wilfrid von Kries, University of Massachusetts, on "Thomasin's Weischer Gast: An Interpretation of the Discreet Lover of the Text and Miniatures of a Vernacular Poem."

Exhibits

Museum of Art — Prints and Drawings from Central Pennsylvania Collectors, Gallery C. Charles Sheeler, The Works on Paper, opening Feb. 10, Gallery A.

Zoller Gallery — Nina Rosenblum International, jury student art work, through Feb. 9. Mary Lou Thompson, MFA Show, through Feb. 9. Arnold Bittelman, drawings, and Dolores Bittelman, weaving, opening Feb. 11.

Kern Gallery — Central Pennsylvania Scholastic Art Exhibit, through Feb. 8. Paul Harcharik, prints. Jack Shaub, watercolors.

Pattee Library — Jean Furst, prints, West Pattee Lobby. Peter Kaufman, paintings, East Pattee Lobby. Postage Stamps from New Zealand, Main Entrance Lobby. Sharon Gray, oil paintings, Circulation Lobby, until Feb. 15.

Black Cultural Center — John Pettus. Pen and ink drawings and black prints, until Feb. 15.

Films

Thursday-Sunday, Feb. 7-10 — Centre Halls, "Bless the Beasts and Children," 7:30 and 10 p.m., Room 105 Forum.

Thursday, Feb. 7 — Commonsplace Theatre, "Greetings," 8 and 10 p.m., Room 112 Kern.

Thursday-Sunday, Feb. 7-9 — PSU College Young Democrats, "On the Waterfront," 7 and 9:30 p.m., Room 209 Human Development.

Saturday, Feb. 9 — USG, "The Point," 8-12 p.m., HUB assembly room.

"Hanging by the Neck" — Free-U Children's films, 2 and 3 p.m., HUB assembly room.

Wednesday, Feb. 13 — Commonsplace Theatre, "Destiny Riders Again," 8 and 10 p.m., Room 112 Kern.

Thursday-Sunday, Feb. 14-17 — Centre Halls, "Sound of Music," 7:30 and 10 p.m., Room 105 Forum.

Friday-Sunday, Feb. 15-17 — North Halls, "Slaughterhouse Five," 7:30 and 9:30 p.m., Room 108 Forum.

Friday-Saturday, Feb. 15-16 — USG, "Festival of Laughter," 7:30 p.m., HUB assembly room. Launa and Hardy, The Stooges, Bugs Bunny, Road Runner, others.

Saturday, Feb. 16 — Free-U Children's films, "Sammy, the Way Out Gal," (Walt Disney), 12:30 and 2:30 p.m., HUB assembly room.

HUB specials

Sunday, Feb. 15 — dinner, roast pork w/d.r., \$1.99; supper, tuna potato chick casserole \$1.39.

Monday, Feb. 16 — lunch, chili con carne \$7.95; dinner, spaghetti w/cheese sauce \$1.95.

Tuesday, Feb. 12 — lunch, chicken chow mein \$1.95; dinner, lamb hot pot \$1.43.

Wednesday, Feb. 13 — lunch, Welsh rarebit w/flat \$1.16; dinner, corned beef & cabbage \$5.69.

Thursday, Feb. 14 — lunch, lasagne \$1.11; dinner, chopped steak \$1.89.

Friday, Feb. 15 — lunch, fish cakes \$1.22; dinner, French fried clams \$1.49.

Saturday, Feb. 16 — lunch, beef pattie w/onions \$5.99; dinner, Maryland chicken steak \$1.59.

WPSX highlights

"The Cranes are Flying," a 1957 Russian film that focuses on the sordid as well as the glorious side of the Russian experience during World War II, is presented on "The Killers," a series of five monthly documentaries about the major causes of death in America, focuses on death by trauma Monday, Feb. 11, at 8 p.m. Trauma is the main cause of death for Americans under the age of forty. "The Killers" program examines the nature of trauma and new research into how it can be treated. It also stresses the importance of every citizen having an emergency medical care system and the increasing role of paramedics in treating trauma patients. Following "The Killers," WPSX-TV is presenting "Meeting the Emergency" — Close to

Home." This WPSX-TV special looks at emergency care systems in Central Pennsylvania and other emergency services available to area residents. Both "The Killers" and "Meeting the Emergency — Close to Home" may also be seen Saturday, Feb. 16, at 2 p.m. and again at 10:30 p.m.

Genevieve Bujold, Stacy Keach, and Fritz Weaver star in "Antigone," Jean Anouilh's tragic drama based on the Sophocles classic, on "Theatre in America" Wednesday, Feb. 13, at 8:30 p.m. Anouilh maintains Sophocles' original theme of the conflict and universal struggle between passion and reason.

Emmett Dedmon, editorial director of the Chicago Sun-Times/Daily News, gives his personal account of a visit to the People's Republic of China, and he is Robert Crome's guest on "Book Beat" Wednesday, Feb. 13, at 10:30 p.m. Dedmon, one of the first American journalists to be allowed into the People's Republic, is the author of "China Journal."

RJE/APL computer seminar topics for winter term

The Computation Center's series of seminars on facilities and their uses will begin next week and continue through the Spring Term. The seminars will begin at 7:30 p.m. but use various meeting rooms; they will be noted in the INTERCOM calendar.

Two of the seminars will be held before the end of the Winter Term, those related to "Penn State RJE/BAT File System" and "Introduction of APL." The first is a two part series, the second is in three parts.

RJE (Remote Job Entry) is a system whereby a person may use a typewriter terminal to create and modify files containing information such as programs, data, text, etc. One or more files may be submitted as a job, and the output from such a job may be directed back to an RJE file or to any line printer. The BAT (Batch and Terminal) system permits the inclusion of one or more RJE files in a job submitted as a card deck, and the direction of specified parts of job output to a special form of RJE file. (2 sessions).

A "Programming Language," APL, is an interactive system accessed solely through typewriter terminals. APL uses a unique character set especially powerful for operations on arrays. Besides interactive programming, APL provides a "desk calculator" mode that immediately evaluates arithmetic expressions as they're typed.

For a full, one graduate student interested in APL are encouraged to obtain a "user identification code" — application forms are available in Room 229, Computer Building.

Architecture has role in edition on San Leucio

San Leucio, the most significant of the social experiments undertaken under the Bourbon reign in Naples in the 18th century, is the subject of a limited edition folio of documents published recently, which resulted from a project of the Department of Architecture in collaboration with the architecture faculty of the University of Milan, Italy.

"San Leucio: Traditions in Transition," published in conjunction with an exhibit last summer on the same subject held in San Leucio in commemoration of the bi-centennial of first construction there, is the first English language introduction to this experiment. The publication, together with the exhibit, is the culmination of three years of research by architecture faculty and students.

Described is the Utopian city of Ferdinandopolis, whose first sector, San Leucio, was realized as an industrial colony for the manufacture of silk. In the folio is the first English text of the original constitution of the colony, a document both radical and influential in Europe when it was written in 1789.

A total of eight documents provide extensive written and graphic detail of San Leucio, including the historical documents leading to its inception, the transformations it has undergone, and its present-day configuration. Among the materials are a comprehensive history written by Richard Plunz, project director and assistant professor of architecture, and an addendum, "San Leucio As Utopia," by Eugenio Battisti, professor of art history.

The Arts: exhibits opening; music programs

"Charles Sheeler: The Works on Paper" opens in Gallery A of the Museum of Art at the University Sunday, Feb. 10, with a reception from 3 to 5 p.m. Sheeler, who died in 1965, was "among the first to create an art of universal significance and international consequence" in the United States, according to John Driscoll, a graduate student in art history, who selected the works for the show and wrote its catalog. About 60 watercolors and drawings produced between 1914 and 1959 will be shown.

The popular appeal of Sheeler's works is rooted in the Bucks County barns, industrial landscapes and urban cityscapes he portrayed, Driscoll claims.

The show will close on March 24. In Gallery C, "Prints and Drawings from Central Pennsylvania Collectors" continues through March 3.

A show of large drawings by Arnold Billeman, artist-in-residence and lecturer in the arts at Union College, and weavings by Olores Billeman will open Monday, Feb. 11, in Zoller Gallery with a reception for the artists at 7 p.m.

Mr. Billeman has had three one-man shows in Boston, and his works have been bought or exhibited at the Museum of Modern Art, the Whitney

Museum, the Boston Museum of Fine Arts, and the Zabriskii and Borgegna galleries in New York among others. Mrs. Billeman's works have been included in every major weaving show. Their exhibit will continue through March 7.

MUSIC PROGRAMS

Musica da Camera, The University chamber orchestra conducted by Dr. D. Douglas Miller, assistant professor of music, will feature works by four composers from the Bach family in a concert Wednesday, Feb. 12, at 8:30 p.m. in the Music Building recital hall.

Compositions in the Baroque style by Johann Sebastian and Johann Bernard Bach will be played, along with those by the younger Carl Philip Emanuel and Johann Christian, who wrote in the pre-Classical period. Johann Christian's "Symphony in D Major," a double orchestra symphony written for two string groups in anthophoral arrangement, is of a special interest.

Works by Beethoven, Perichelli, Sarasate, Leclair, and Suk will be played by violinist Margaret Smith, M.F.A. candidate, in a recital Monday, Feb. 11, at 8:30 p.m. in the Music Building recital hall. She will be assisted by Jill Olsen, piano, and William Thomas, cello.

Seek volunteers to aid retarded

The Pennsylvania Fellowship Plan, through its local coordinator, William Cave (444 E. College Ave., Suite 350, State College, 237-5396) has asked that the Plan be made known to the University faculty.

Briefly, PFP is a statewide program to recruit volunteer citizen advocates to match them one-to-one with mentally retarded persons of all ages. Such an advocate is viewed as a mature, competent volunteer representing the interests of another citizen with impaired ability to learn in dealing with practical problems of adapting to the community.

Called "Fellows" with PFP, these advocates receive general guidelines and orientation and are encouraged to attend PFP workshops, but relationships in each specific case develop from the needs and potential evidence. The essential component is friendship — the Fellow helps his Friend become a member of a community, participating in its activities, and taking advantage of its opportunities.

PFP was established just last year, funded in part with a three-year grant from the Penna. Dept. of Public Welfare through a subcontract with the Penna. Association for Retarded Citizens, Inc.

Mr. Cave will be happy to provide more information to interested faculty and staff members.

POLISH WRITER —

(Continued from page one)

participating in the development of the University Theatre production of the American premiere of his "Blessed Event" on Feb. 15, 19 and 19-23, directed by assistant theatre professor Archie Smith, and this month he will travel to the New Kensington campus of the University for the performance of his best-known play, "Tango," under the direction of theatre arts instructor Peter Grego. He is teaching advanced playwrighting in the Department of Theatre and Film and is involved in dramatic literature courses taught by Stephen Grecco, assistant professor of English.

Mrozek says he enjoyed the one Five O'Clock production he had the opportunity to see and that rehearsals for "Blessed Event" are going well. He is especially impressed by the theatre facilities at the University, referring to them when he said

News in brief

INSTITUTE TITLED

At the meeting of the Board of Trustees in January, approval was given for a change in the name of the Pennsylvania Transportation and Traffic Safety Center to the Pennsylvania Transportation Institute (not Center as reported in the Jan. 24 issue of INTERCOM). The new name, in addition to more clearly defining the functions of the work, also avoids confusion with similarly-named organizations elsewhere. The Institute is part of the Institute for Science and Engineering and is directed by Dr. Thomas D. Larson.

VETERANS ENTERTAINED

Members of Chi Gamma Iota fraternity at Capitol Campus visited and entertained hospitalized Vietnam veterans of the Costeview Veterans Administration Hospital, Jan. 26, delivered more than 2,000 paperback books and magazines, and provided cakes, cookies and doughnuts baked by wives of the fraternity members. The same fraternity organizes and maintains records for the Blood Bank at Capitol Campus and provides admission consultations with other veterans on campus. The fraternity members are all Vietnam veterans themselves.

CLASSICAL GUITAR

Richard Jackman, classical guitarist currently teaching guitar privately in State College, will play a variety of music writ-

he finds "more theatre here than in many big cities in many countries."

He finds teaching stimulating and interesting. After a few weeks of instructing, he notes, he found that he had to refine his ideas and make them precise in order to communicate them to his students, forcing him to give shape to thoughts which otherwise might be undefined and shapeless.

"Blessed Event," also currently in production in Poland, is a three-act farce in which much of the set is a gigantic bed. It features a monstrous baby born to a liberal, democratic couple forced to conspire with a boarder of anarchist persuasion for a moment of privacy to conceive the child away from the ever watchful eye of the husband's tyrannical, reactionary old father.

Stressing that any play is liable to several valid interpretations, Mrozek resists

ten over the past four centuries in a concert Friday, Feb. 8, at 8 p.m. in the Music Bldg. auditorium. There is no admission charge. Jackman, Australian-born and trained, moved to the U.S. in 1968 and last year completed B.S. degree work in mathematics at Penn State. He has given a number of recitals during his four years here and during the past three years has attended master classes in Europe, including those of Andres Segovia and Renzo Lazzare. He plans to go to Munich, Germany, next year to further his career as a concert artist.

AFRICAN ART

"What We Can Learn from African Art" will be discussed by Dennis G. Duerden, director of the Transcription Center in London, England, and managing editor of "Cultural Events in Africa," in an illustrated lecture Monday, Feb. 11, at 8 p.m. in Room 112 Kern. He will also give a seminar Feb. 12, at 7 p.m. in the Zoller Gallery. Duerden will be given sponsored by the Black Studies Committee and the College of Arts and Architecture. He is the author of "African Writers Talking" and "African Art" and has several other books in progress.

ALTOONA CONCERT

Classical pianist James Fields, from Occidental College, will give a recital at Altoona Campus Thursday, Feb. 7, at 8 p.m. in the Slep Student-Faculty Center. The recital is part of the Student Altoona Series open to the public.

the inevitable political exile-turned-theater protester motive often attributed to his selection of themes for this and other plays. He does not address himself to contemporary problems, he says, but writes primarily to amuse and meditate, with character creation and plot invention and always with the primary concern of the stage productions of the players.

"Every director chooses a play with his own image already formed of what the play should be," Mrozek continues, "and I welcome his interpretations. I am a writer, not a theatre man."

With a cast of four graduate theatre students, Matthew Faison, James McDade, Steven Pudenz, and a recent M.F.A. graduate, Mrozek says he has been in Guttenplan, "Blessed Event" will be the final production of the University Theatre this term. Tickets are available now at the box office, 865-1884.

WPSX wants help on programs

Faculty and staff help is being sought by WPSX-TV and the Pennsylvania Public Television Network, in part through a questionnaire published on this page. The purpose: to determine what needs the station and the network have in the future. PLEASE RETURN THE QUESTIONNAIRE TO WPSX-TV, 202 Wagner Building, University Park, Pa. 16802.

Network vice chairman John O. Hershey announced the project in January, pointing out that it will include interviews with state legislators, community leaders, television public hearings, and the questionnaire, which will involve all seven network stations.

The project has special application for Penn State University. "As a continuing education service of the University," says Dr. Floyd B. Fischer, president for Continuing Education, "WPSX-TV has the responsibility to provide quality educational and instructional programs to a potential audience of one million Central Pennsylvania residents. Through the surveys and the public hearings, we can discover what these many people feel are the most important needs that educational/public television can serve. We will then be able to focus our attention on these specific educational television services."

David L. Phillips, director of the Division of Broadcasting in Continuing Education, adds that "in the past we have done several scientific audience studies through Planning Studies at Penn State. These have shown us who our audiences are. This new project will, we hope, give us more detailed information about the kinds of programs we should provide and what emphasis should develop in the next few years."

What do you consider to be the most important problems and needs facing your community, Pennsylvania, and the nation today?

Educational/public television has the ability to bring a wide variety of specialized programs to many specific interest groups. To help us judge which kinds of programs are most important to our area, please respond to the following program types by circling the appropriate number:

1 Very Important 2 Important 3 Not Important

Classical music	1	2	3	A	I
Popular music (rock, jazz, etc.)	1	2	3	A	I
Serious dramatic productions	1	2	3	A	I
Programs about the visual arts	1	2	3	A	I
Debates on public issues	1	2	3	A	I
Town meeting-type discussions giving the general public the opportunity to question public officials	1	2	3	A	I
Coverage of public hearings, meetings, etc.	1	2	3	A	I
Appearances by candidates for public office prior to elections	1	2	3	A	I
Formal credit courses applicable to some form of certificate or diploma	1	2	3	A	I

Then, indicate whether or not you think the current WPSX-TV program schedule offers an adequate amount of these programs by circling one of the following:

A Adequate I Inadequate

Vocational education courses designed to upgrade the skills of employees	1	2	3	A	I
Noncredit adult instruction courses in the crafts	1	2	3	A	I
Informal adult education for avocational or recreational enhancement	1	2	3	A	I
Instructional programs for use in public schools	1	2	3	A	I
Programs for children during out-of-school hours	1	2	3	A	I
Programs for specialized interest groups (businessmen, educators, etc.)	1	2	3	A	I
Programs for minority groups	1	2	3	A	I

PENN STATE intercom

Volume 3, Number 22

February 14, 1974

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

News in brief

THIRD PLACE WINNER

The American Institute of Landscape Architects has awarded third place in its seventh annual student design contest to a senior design project from the University's Department of Landscape Architecture. Members of the student team, which won a cash award of \$150, were Joseph F. DeChico, Leittown; Dennis T. Gerdovich, Coalville; Lowell D. Savage, Erie; and Edward P. Schmidt, Glenside. Their project was developed in classes taught by three landscape architecture faculty members: associate professors Glenn E. Steyers and James R. DeTuerck, and assistant professor William G. King.

FILM CLASSIC

The 1959 film, "Hiroshima Man Amour," of Alain Resnais and Marguerite Duras will be shown Monday, Feb. 18, at 8 p.m. in the Auditorium of Human Development South. The film, with English subtitles, is sponsored by the French Department in connection with the experimental course, "Women in Modern French Literature," but the showing is open to the University community. A contribution of 50 cents toward the expense of the film would be appreciated.

DUPONT AWARDS

Three departments of the University have received grants under the DuPont Company's 1974 educational aid program. Chemistry and Chemical Engineering each was given \$10,000, and Mechanical Engineering was awarded \$50,000, along with an additional grant of \$20,000 to support research by young faculty members.

TERRITORIALITY

Oscar Newman, author of "Defensible Space" and president of The Center for Residential Security Design, Inc., will speak on "Territoriality and Housing Design," Friday, Feb. 15, at 4 p.m. in Room 26 Mineral Sciences. This is the third presentation in the Guest Lecture Series of the Division of Man-Environment Relations, College of Human Development.

BELL TELEPHONE REPAIR

The "repair service" number of Bell Telephone Co. in the University Park-State College-Bellfonte area, listed in current Faculty-Staff directories as 355-0114, has been changed to 234-0211. The number is correctly listed in the most recent Bell Telephone directories.

INTERNATIONAL SYMPOSIUM

Sponsored by the Pennsylvania Transportation Institute, the Federal Highway Administration, and the Journal, Transportation Research, an international symposium will be held in mid-May at University Park to look at the effects of the energy crisis on transportation balance. Dr. Frank Haght, professor of statistics, is organizing the symposium, which will look into a variety of subjects ranging from long range effects on transportation balance to special problems facing specific communities.

FOR THE WOMEN

A fashion show of spring clothes will be held in the HUB main lobby lounge on Sunday, Feb. 17, sponsored by a student organization in the College of Human Development. In addition to modeling of clothes, pamphlets on patterns and sewing will be distributed.

Institute awards nine research fellowships

Nine Research Fellowships have been awarded by the Institute for the Arts and Humanistic Studies for the coming Summer Term. The recipients include:

Dr. Charles D. Ameringer, associate professor of history, who will continue work on a political biography of Jose Figueres.

Dr. Caroline Eckhardt, assistant professor of English, and Dr. Robert B. Eckhardt, assistant professor of anthropology, to develop a biography of Franz Weidenreich.

Dr. Paul B. Harvey, assistant professor of history, for preparation of a commentary on the "Oratoriones Illi de lege agraria" of the Roman orator Cicero.

Dr. Michael T. Kiernan, assistant professor of English, who is preparing a critical edition of the "Essays" of Francis Bacon.

Linda Plotkin, assistant professor of art, for the creation of a series of color, lithographs of Pennsylvania settings.

Dr. James M. Rambeau, assistant profes-

sor of English, to study the later works of Henry James.

Dr. Bruce Rosenberg, professor of English and comparative literature, for travel to Finland and Wales to present a paper at the Sixth International Congress of the Society for Folk-Narrative Research and to study Chaucer papers in the National Museum of Wales.

Dr. Beno Welss, assistant professor of Italian, to pursue continuing research on the Theatre of Italo Svevo.

March 1 is deadline for nominations

University libraries award program is announced

March 1 is the deadline for nominations for the first Pennsylvania State University Libraries award.

The Award for Outstanding Contribution to Pennsylvania State University Libraries will be presented annually in the third week of May to a Pennsylvania State University Libraries staff member, a benefactor of the Libraries, or a member of the University teaching faculty, administrative or research staff.

Nominees must meet one or more of the following selection guidelines:

Has made a professional contribu-

tion which has a significant influence on the operations of the Pennsylvania State University Libraries.

Has made a significant professional contribution which earns the recognition of the University community for the Pennsylvania State University Libraries.

Has shown excellence of service to the Pennsylvania State University Libraries as evidenced by continuous leadership and innovation.

Selection of the recipient of this award will be made by an award jury of three members of the Libraries' staff chosen by the Library Faculty Council.

The award will consist of a cash stipend and a Nittany Lion statue.

Nominations are solicited from the University community before March 1 and should be submitted on forms obtained from: Personnel Librarian, Room E-505 Pattee Library, University Park, Pennsylvania 16802. Telephone 865-0451. On the Commonwealth Campuses, nomination forms may also be obtained from the librarian.

Changes would affect most faculty, staff

Retirement system legislation passes Senate

On January 29, 1974, an important piece of State legislation affecting University faculty and staff who are members of the State Employees' Retirement System cleared the Senate by a vote of 45-1. The bill (Senate Bill #472) has now been referred to the House where some observers anticipate ultimate passage. If the bill passes in its present form, there are several major changes involving the status of active members as well as a cost-of-living increase for members who retired prior to July 1, 1972. The intent of this article is to acquaint active faculty and staff members with the proposed changes. It should be recognized that this article may not accurately reflect the final provisions of the bill since it still may be amended in the House. Moreover, the legal interpretation of the legislation may differ from the interpretation in this article.

The main provisions of Senate Bill #472 appear to be as follows:

MEMBER'S BASIC CONTRIBUTION RATE

Everyone joining the State Employees' Retirement System after the new legislation is passed would contribute at the rate of five per cent of total earnings.

Current members who have already elected the provisions of Act 230 (passed in 1968) will continue to contribute to the retirement plan at their current rate on their total earnings, and if their salary is higher than the social security taxable base (for 1974, the base is \$13,200), they also pay five percent of their salary which is in excess of that base. Because of this, they obtain higher retirement benefits than those who did not choose to accept Act 230 provisions, the amounts depending on their salaries and the social security taxable base.

However, Act 230 permitted members to delay making an election of its provisions. If the provisions of Senate Bill 472 remain intact through passage and signing by the Governor, it will not be possible for current members to make that election, if they have not done so as of the date the legislation becomes effective.

MILITARY CREDIT

The present retirement act permits a member who has joined the retirement system within three years of date of separation from active military duty to purchase a maximum of five years of retirement

credit for military service provided that a military pension will not be payable for the same time. The cost is based partially on the member's salary when he first joined the system.

The new bill provides for the purchase of a maximum of 5 years of retirement credit for military service regardless of the date of entry into state (or University) service. The cost would be partially determined by the average of the first three years of salary. In addition, there is a provision which would require the faculty or staff member to pay the statutory interest

(Continued on page two)

Seek Education dean nominees

Nominations for the position of Dean of the College of Education of the University are now being requested by a Search Committee chaired by Edward R. Fagge, professor of secondary education. The Committee will prepare a list of the most qualified candidates for submission to the University Provost, Russell E. Larson, who appointed the search committee.

Besides the general qualifications and duties for University deans as described on page 22 of the University's "Faculty Handbook," (doctoral degree, recent administrative experience, experience with a multi-faceted university), candidates for Dean of the College of Education should have demonstrable experience and competence in the supervision of university policies; budget; faculty, clerical, and student personnel; research curricula; physical plant and faculty affairs. The candidate should also have the ability to represent the College at State, Regional and National meetings; to coordinate teacher education programs; to consider and approve continuing education programs after due consultation with those charged for developing such programs, to offer advice and consent on College and department publications and such other qualifications as are pertinent to the position.

Candidates may refer themselves, or anyone may submit credentials for individuals either within or outside the University. The suggestion of a candidate should be accompanied by a resume of academic and professional experience and any other data relevant to the qualifications described above. Letters of recommendation or names of people who might be contacted for references should also be supplied. The Committee would appreciate receiving documents on suggested candidates as soon as possible, and cannot guarantee consideration of material received after April 20.

All material relating to the position of Dean of the College of Education should be addressed to the Chairman of the Search Committee, Box 50, Rackley Building, University Park, Pa. 16802.

Nominations may also go to any member of the search committee. Members in addition to Dr. Fagge are:

Kenneth R. Beittel, professor of art education; Asa J. Berlin, associate professor of speech pathology; Karen E. Bloom, 9th term student in education of exceptional children; Marjorie East, professor and department head, home economics education; Merlin J. Joyce, 9th term student in secondary education; Ernest H. Ludwig, associate dean of the graduate school; Eugene R. Melander, assistant vice president for undergraduate studies; Stanley F. Paulsen, dean of the College of Liberal Arts; and Joe L. Salazar, graduate student in higher education. Robert L. Kidder, manager, employment division, personnel administration, is an ex officio member.

University Calendar

February 14-24, 1974

Special Events

Thursday, Feb. 14 — "Mandabi," color feature-length film, 7:30 p.m., Black Cultural Center, sponsored by the Black Cultural Center and the French Department.

Thursday, Feb. 14 — Talk on general crafts by Sue Weltman, freshman in education, 8 p.m., Room 101 Kern, Folklore Society. Also election of new officers.

Friday, Feb. 15 — Colloquy, Dan Rafter, 7:30-10:30 p.m., HUB ballroom.

Friday, Feb. 15 — Commonsplace Coffee-house, 8 p.m., Room 102 Kern.

Friday-Saturday, Feb. 15-16 — Artists Series, Lotte Goslar's Panomime Circus, Friday at 8:30 p.m., Saturday, children's performance at 10:30 a.m., Schwab.

Friday-Saturday, Feb. 15-16 — Pavilion Theatre, "Blessed Evening," 8 p.m., University Theatre.

Saturday, Feb. 16 — Sports: Women's Basketball, vs. Wilson, 1:30 p.m.; Women's Gymnastics, vs. Tewson State, 2 p.m.

p.m.; Women's Swimming, vs. Ursinus and Elizabethtown, 2 p.m.

Sunday, Feb. 17 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

Sunday, Feb. 17 — Chapel Service, 11 a.m., Eisenhower Chapel. Very Rev. Demetrius Dumm, O.S.B., Rector, St. Vincent Seminary, Latrobe, Pa.

Sunday, Feb. 17 — Fashion Show, 3 p.m., HUB main lounge, sponsored by Fashion Industry Interest Group, Human Development. "Clothing Coordination for Spring," Butterick representative.

Sunday, Feb. 17 — Eastern Orthodox Divine Liturgy, 10 a.m., HUB assembly room.

Sunday, Feb. 17 — Penn State Jazz Club concert by jazz saxophonist Eric Kloss, 8 p.m., Schwab. Free workshop conducted by Kloss, 3 p.m., Findlay Union Bldg.

Monday, Feb. 18 — Vocal recital, Karen Cain and Robert Trehy, 8:30 p.m., Music Bldg. recital hall.

Monday, Feb. 18 — Film, "Hiroshima Mon Amour," 8 p.m., Auditorium, Human

Development (South). Presented by the French Dept. in connection with the course "Women in Modern French Literature," open to the University community.

Tuesday-Saturday, Feb. 19-23 — University Theatre, "Blessed Evening," 8 p.m., Pavilion Theatre.

Wednesday, Feb. 20 — Artists Series, The Fillins of Luis Bunuel, "Belle de Jour," 8:30 p.m., Schwab.

Wednesday, Feb. 20 — Sports: Men's Basketball, vs. West Virginia, 8 p.m., Rec Hall.

Wednesday, Feb. 20 — "A Watcher in the Wilderness," slide presentation by Mike Ondik, Supervisor of the Deer Research Program, for Pre-Vet Club meeting, 7:30 p.m., Room 301 Agri. Adm. Bldg. Also elections of officers.

Thursday, Feb. 21 — Faculty Women's Club luncheon lecture, 12:30 p.m., Room 101 Kern. Mrs. Thelma S. Baker and Dr. Paul T. Baker, anthropologist, on "Human Adaptability to the Environment."

Thursday, Feb. 21 — Film, "Malcolm X Speaks," 7:30 p.m., Black Cultural Center.

Friday, Feb. 22 — Penn State Brass Chorus, 8:30 p.m., Music Bldg. recital hall.

Friday, Feb. 22 — Folk and Square Dance Roundup, 7:30-9 p.m., North Gym, White.

Friday, Feb. 22 — Commonsplace Coffee-house, 8 p.m., Room 102 Kern.

Friday, Feb. 22 — HOPS lecture by Troy D. Perry, founder, Universal Fellowship of Metropolitan Community Church and National Gay Liberation Leader, 8 p.m., Room 44, Willard.

Saturday, Feb. 23 — Sports: Wrestling vs. Pittsburgh, 4 p.m.; Men's Swimming vs. West Virginia, 2 p.m.; Men's Basketball, vs. Pittsburgh, 1 p.m.; Men's Gymnastics, vs. So. Connecticut, 8 p.m.; Women's Basketball, vs. Indiana U. of Pa., 1 p.m.; Women's swimming, vs. East Stroudsburg, Clarion State, Slippery Rock, 5:30 p.m.

Sunday, Feb. 24 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

Sunday, Feb. 24 — Chapel Service, 11 a.m., Eisenhower Chapel. Jon P. Gunne-man, religious studies.

Seminars

Thursday, Feb. 14 — Chemistry, 12:45 p.m., Room 310 Whitmore. Marlin Semmehack, Cornell University, on "Transition Metals as Agents for Carbon-Carbon Bond Formation in Organic Synthesis."

Thursday, Feb. 14 — Physics, 3:35 p.m., Room 117 Osmond. Heinz R. Pagels, Rockefeller Institute, on "Chiral Symmetry and Hadron Dynamics."

Thursday, Feb. 14 — Agronomy, 3:55 p.m., Room 301 Agri. Adm. T. L. Watschke on "Solving Turfgrass Problems Through Research."

Thursday, Feb. 14 — Mechanical Engineering, 4 p.m., Room 103 Mechanical Engineering Bldg. Michael Volk on "Aerosol Coagulation in an Acoustic Field."

Thursday, Feb. 14 — Remote Sensing, 1 p.m., Room 225 Electrical Eng. West. Darrel Williams on "Computer Analysis for Mapping of Gypsy Moth Defoliation Levels in Northeastern Pennsylvania, Using ERTS-1 Data."

Thursday, Feb. 14 — Slavic and Soviet Language and Area Center, 3 p.m., Room 117 Willard. Robert McIntyre, economics, on "Pro-Natalist Policy in Eastern Europe."

Thursday, Feb. 14 — Computer Science, 4 p.m., Room 101 Althouse. E. C. Hor-

vath, Princeton University, on "An Efficient In-Place Stable Sorting Algorithm."

Thursday, Feb. 14 — Central Pennsylvania Chapter of the Acoustical Society of America and Engineering Acoustics, 4 p.m., Room 71 Willard. Dr. G. K. Strother, biophysics, on "Echo Location by Bats."

Thursday, Feb. 14 — Mathematics, 4 p.m., Room 104 McAllister. Professor Curt Meyer, University of Maryland and University of Colorado, on "Some Applications of Elementary Field Invariants of Realquadratic Number Fields."

Thursday, Feb. 14 — Nuclear Engineering, 4 p.m., Room 111 Brazeeale Nuclear Reactor. Dr. S. E. Eaton, vice-president, Breeder Reactor Division, Burns and Roe, Inc., New Jersey, on "Cost Benefit Analysis of Advanced Power Reactor Systems."

Monday, Feb. 18 — Plant Pathology, 9:45 a.m., Room 213 Buckhout. Dr. L. P. Nichols on "Extension Plant Pathology: Programs and Program Development for Floricultural and Ornamental Plants."

Monday, Feb. 18 — Current Issues in Food and Agriculture, 1 p.m., Room 202 Bolland. John C. Weaver on "The World's Food Market and Conflicting Interests."

Monday, Feb. 18 — Genetics, 3:55 p.m., Room 111 Tyson. Dr. Richard Craig on

"What a Difference a Gene Makes — the Development of the Semidwarf Seed Propagated Geranium."

Monday, Feb. 18 — Entomology, 4 p.m., Room 215 Armsby. William Ellinger on "Dentic Insect Species Composition in Relation to Water Quality in Sinking Creek, Centre County, Pa."

Monday, Feb. 18 — Biochemistry, 4 p.m., Room 101 Althouse. K. Miller, on "Isolation of Rabbit Antibodies Directed Against Galactosyl and Lactosyl Moieties of a Cell Wall Carbohydrate from *Streptococcus Faecalis*, Strain N."

Monday, Feb. 18 — Microbiology, 4 p.m., Room 250 North Frear. Dr. Luther Williams, Massachusetts Institute of Technology, on "Theonine Deaminase: Its Role of an End Product Inhibition in Regulation of its Specific Enzyme Formation."

Tuesday, Feb. 19 — Chemical Engineering, 3:50 p.m., Room 140 Fenske. F. M. Fowkes, Lehigh University, on "Interfacial Interactions in Polymer Reinforcement."

Tuesday, Feb. 19 — Geosciences, 4 p.m., Room 26 M. S. Films, "Across the Cordillera — The Development of a Geosyncline," and "The Subalpine Chains."

Tuesday, Feb. 19 — Solid State Physics, 1 p.m., Room 445 Davies. Dr. Eugen

Skudrzyk on "New Experimental Techniques of Measuring Acoustical Absorption of Thin Fluid Layers and Droplets in the Megahertz Range."

Tuesday, Feb. 19 — Aerospace, 3:55 p.m., Room 232 Hammond. Mr. William Walls, Boeing/Verol Company, Morton, Pa., on "Helicopter Development."

Wednesday, Feb. 20 — Biochemistry, 4 p.m., Room 101 Althouse. R. Hilpaka on "Oxygen Binding by Mutant Hemoglobins."

Wednesday, Feb. 20 — Analytical Chemistry, 8:30 a.m., Room 310 Whitmore. Dr. Howard Pickering on "Electrochemical Conditions within Cavities for Imposed Anodic and Cathodic Control at the Outer Surface."

Thursday, Feb. 21 — Chemistry, 12:45 p.m., Room 310 Whitmore. Stuart P. Cram, National Bureau of Standards, on "Physico-Chemical Measurements by Gas Chromatography."

Thursday, Feb. 21 — Physics, 3:35 p.m., Room 117 Osmond. Leo Esaki, Thomas J. Watson Research Center, IBM, on "Recent Developments in Surface Physics."

Thursday, Feb. 21 — Agronomy, 3:55 p.m., Room 301 Agri. Adm. R. Pfeiffer and G. W. McKee on "Revegetation of Strip Mine Spoils."

Lectures

Thursday, Feb. 14 — Medieval Art Lecture Series, 3 p.m., HUB assembly room. Dr. Wilfrid von Kries, University of Massachusetts, on "Thomas's Welsher Gast: A Interpretation of the Diabolic Levels of the Text and Miniatures of a Vernacular Poem."

Friday, Feb. 15 — The Division of Man-Environment Relations Guest Lecture Series, 4 p.m., Room 26 Min. Sci. Oscar Newman, author and president of the Center for Residential Security Design, Inc., New York, on "Territoriality and Housing Design."

Films

Thursday-Sunday, Feb. 14-17 — Centre Halls, "Sound of Music," 7:30 and 10 p.m., Room 105 Forum.

Friday-Sunday, Feb. 15-17 — North Halls, "Slaughterhouse Five," 7:30 and 9 p.m., Room 108 Forum.

Friday-Saturday, Feb. 15-16 — USG, "Festival of Laughter," 7:30 p.m., HUB assembly room. Laurel and Hardy, Three Stooges, Bugs Bunny, Road Runner, others.

Saturday, Feb. 16 — Free-U Children's films, "Sammy, the Way Out Gal," (Walt Disney), 12:30 and 2:30 p.m., HUB assembly room.

Sunday, Feb. 17 — O.T.I.S., "Dial M for Murder," and "Topaz," 7-11 p.m., HUB assembly room.

Wednesday, Feb. 20 — Commonsplace Theatre, "The Thief of Bagdad," 8 and 10 p.m., Room 112 Kern.

Thursday-Sunday, Feb. 21-24 — Centre Halls, "Ten Commandments," Thursday and Sunday at 7 p.m., Friday and Saturday at 7 and 11 p.m., Room 105 Forum.

Saturday, Feb. 23 — U.S.G., "The Pit and the Pendulum," 7:30 and 10 p.m., HUB assembly room.

WPSX highlights

"More Accurate Nuclear Missiles: Safety or Suicide?" is the subject on "The Advocates" Thursday, Feb. 14, at 8 p.m. on WPSX-TV, Channel 3. The debate centers around whether or not we should develop more accurate nuclear weapons which would give us the capability to wage a limited nuclear war. Advocates for the missiles say that their development could save the world from a major nuclear war. Opponents maintain that the capability of limited nuclear attack only increases the chances that someone will use it. "Parenting," a four-part informal television course with correspondence study materials for the parents of pre-school children, begins Sunday, Feb. 17, at 6:30 p.m. on WPSX-TV. Hosted by Dr. Carol Cart-

wright, associate professor of adapted curriculum instruction at Penn State, the series focuses on how parents can help further their child's physical, intellectual, and emotional development. Registration forms for the course are available by writing to Independent Study by Correspondence, 3 Shields Bldg., University Park, Pa. 16802.

"Black or White Superiority?" is the subject on "Black Journalists" Tuesday, Feb. 19, at 9 p.m. on WPSX-TV. The program features a debate between Professor William Shockley of Stanford University, who recently said that blacks are genetically inferior to whites, and Dr. Frances Welsing, a black psychiatrist from Howard University.

James Earl Jones stars in Shakespeare's "King Lear" Wednesday, Feb. 20, at 8:30 p.m. on "Theatre in America." Appearing with Jones are Douglas Watson, Rene Auberjonois, and Lee Chamberlain.

Meetings

Monday, Feb. 18 — USG Senate, 7:30-10:45 p.m., HUB assembly room.

Monday, Feb. 18 — OTIS, 6:30-8 p.m., Room 203 HUB.

Monday, Feb. 18 — College of Education Student Council, 7-8:30 p.m., Room 67 Willard.

Tuesday, Feb. 19 — A.R.H.S., 7:30-9:30 p.m., Room 203 HUB.

Tuesday, Feb. 19 — College of Business Administration Student Council, 6:30 p.m., Room 208 Business Adm. Bldg.

Wednesday, Feb. 20 — College of Science Student Council, 7 p.m., Room 116 Osmond.

Wednesday, Feb. 20 — USG Academic assembly, 7:30-9:30 p.m., Room 232 Hammond.

Wednesday, Feb. 20 — College of Earth and Mineral Sciences Student Council, 6:15 p.m., Room 244 Delke.

Wednesday, Feb. 20 — American Welding Society, 7:30 p.m., Room 232 Hammond. Robert H. Foxall, National Vice President, American Welding Society, on "Resistance Welding Applications."

Friday, Feb. 21 — Student Assistance Center, 7:30-9:30 p.m., Room 213 HUB.

HUB specials

Sunday, Feb. 17 — dinner, roast turkey w/dr. \$1.95; supper, sausage patty/pineapple slice \$3.89.

Monday, Feb. 18 — lunch, lasagne \$1.11; dinner, chicken terrazini \$1.47.

Tuesday, Feb. 19 — lunch, chipped beef w/tst. \$1.15; dinner, hot meat sandwich \$1.41.

Wednesday, Feb. 20 — lunch, grilled ham & cheese sandwich \$3.00; dinner, macaroni & cheese \$1.59.

Thursday, Feb. 21 — lunch, turkey turnover \$1.15; dinner, Italian spaghetti \$1.19.

Friday, Feb. 22 — lunch, tuna noodle casserole \$1.11; dinner, fish cakes \$1.19.

Saturday, Feb. 23 — lunch, chicken chow mein rice \$3.89; dinner, beans & beans \$1.29.



Lotte Goslar's Panomime Circus is the Artists Series feature this week in Schwab, with performances Friday evening and Saturday morning.

R. R. Murphy dies

Dr. R. Russell Murphy, professor emeritus of poultry science, died February 3; he was 74. As an undergraduate and graduate student and as a member of the faculty until his retirement in 1966, he was associated with Penn State for 40 years. He earned an M.S. degree at Kansas State University but returned to Penn State to complete work for a Ph.D. in agricultural biochemistry. During World War II, he was a major in the U.S. Army, serving as a nutrition officer from 1943 to 1946. His principal research interest was in nutrition and poultry management.

Engineers to hear Dixy Ray, Goddard



Dixy Lee Ray

Dr. Dixy Lee Ray, chairman of the Atomic Energy Commission, and Dr. Maurice K. Goddard, secretary of Pennsylvania's Department of Environmental Resources, will be the featured speakers during National Engineers Week at the University.

Dr. Ray, the first woman to hold the Commission chairmanship, will discuss nuclear reactors and reactor safety as the University's ninth annual Honorary Engineering Lecturer Tuesday, Feb. 26, at 4 p.m. in Schwab Auditorium. Her talk, although geared primarily to engineering seniors, will be open to the public. It is titled "Nuclear Safety and Public Understanding."

Dr. Goddard is scheduled to address the Engineers' Winter Banquet, Saturday, Feb. 23, at the Nittany Lion Inn. The former director of Penn State's School of Forestry, he will talk on "The Three E's—Environment, Energy and Engineering."

Dr. N. J. Palladino, dean of the College of Engineering, will serve as master of ceremonies at the banquet, which will be attended by engineers from Central Pennsylvania.

Library Notes

The New York Times Book Review Index, 1986-1976, located in the Undergraduate Library Periodical Section, contains virtually everything printed in the Book Review except advertisements and queries to the editor. Entries for reviews contain the title of the book reviewed, the author, and the reviewer's name. Entries for other items contain a brief summary of the item itself. The index is divided into author, title, byline, subject, and category indexes, and a description of their use appears in the introduction to each of the five volumes. Annual supplements are compiled, and they will be compiled every ten years and offered as supplements to the five-volume index.

An Oploscope Better Vision Lens System Mark V has been acquired by the Special Collections Department. Although primarily for use as an aid in reading manuscripts, it is available in the Labor Archives to faculty members and the visually handicapped for reading books and magazines. For use, contact Lee Stout, 865-1793.

Current exhibits

Museum of Art — Charles Sheeler: The Works on Paper, Gallery A. Prints and Drawings from Central Pennsylvania Collectors, Gallery C. Selections from the Permanent Collection, Gallery B.

Zoller Gallery — Arnold Bittelman, drawings. Dolores Bittelman, paintings.

Kern Gallery — Paul Harcharik, prints. Jack Schaub, watercolors. Linda Stredebeck, abstract oils, opening Feb. 24.

Jewelry by John C. Mason, until Feb. 28. Stained glass sculpture by John Runner, until Feb. 28.

Chambers Gallery — An exhibit of art by graduate students in art education.

Pattee Lobby — Jean Furey, prints. West Pattee Lobby. Peter Kaufman, paintings. East Pattee Lobby. Postage Stamps from New Zealand, Main Entrance Lobby.

Computer program

For the first time, an introductory programming workshop teaching the PL/1 computer language will be held the week of March 4, at the same time as the regularly conducted FORTRAN IV workshop.

Basic computer concepts and techniques of programming will be studied at both workshops, which are open to all faculty, staff, and graduate students with no previous computer experience. Lectures will be given each morning and afternoon. Monday, March 4, through Friday, March 8, FORTRAN sessions will be held in Room 112, Buckhout. And PL/1 sessions in Room 213, Buckhout. Both morning classes will start at 9 a.m. and afternoon at 1:30 p.m. Sample programs will be studied, and practice programs will be assigned throughout the week. To gain the maximum benefit, participants should plan to devote the entire week to their workshop.

Registrants will be accepted immediately by Linda Yarnell, Room 229, Computer Bldg. A charge of \$3 for course materials is made for each registrant. Computer charges will be borne by the Computer Center, and participants can use the computer for practical purposes free of charge during Spring Term.

Artists Series

Pantomime takes many forms and delights both adults and children. It's done well. That explains why the Artists Series has scheduled two performances of "Lotte Goslar's Pantomime Circus," with a show Friday, Feb. 15, at 8:30 p.m., and a children's show Saturday, Feb. 16, at 10:30 a.m. in Schwab Auditorium.

Tickets for both performances have been on sale this week in the HUB and some tickets may remain.

Through poses, expressions, dances, leaps and many other techniques of mime, Lotte and her troupe weave humor, pathos, and whatever emotions she can get from the audience into little vignettes or stories.

The Arts: exhibits and music recital

Watercolors by Jack Schaub, a Lancaster County artist, went on display in Kern Graduate Commons recently and will remain until March 1. Schaub is currently with the York County Juvenile Probation staff, but his interest in painting began when he was a youngster, accompanying his father on painting trips through Lancaster County countryside. He had his first one-man watercolor show in 1967 and since then has had many one-man exhibitions in Pennsylvania and Virginia. His paintings are for sale.

When the Penn State Brass Chamber holds its concert Friday, Feb. 22, tour guest musicians will also play, including Dr. Warren George, head of the music education department; Christine Ode, instructor of music; Karl Kerpel, graduate student in computer science; and Stephen Smith, assistant professor of music.

Agriculture aids

College of Agriculture faculty and staff will act as technical "backstops" for Peace Corps volunteers serving in a new program on the island of Jamaica.

FARM — Future Agriculture Resources Manpower — is a Peace Corps activity designed to step up efforts to meet the need for persons trained in agriculture. It is said that about one third of all the requests made to the Peace Corps in the 47 countries served are for people to serve in various agricultural capacities.

Dr. Robert E. Swope, assistant dean for resident education in the College, will serve as program coordinator for the Jamaica project and plans to present illustrated talks to agricultural clubs or interested groups of students concerning the FARM activity.

Students in a variety of majors — agricultural education, engineering, extension, animal husbandry, horticulture, plant pathology — will be sought as Peace Corps volunteers not only for Jamaica but for other countries as well.

African film

"Mandabi," a color, feature-length film by one of Africa's leading writers and cinematographers, Ousmane Sembene, will be shown today (Thursday, Feb. 14) at 7:30 p.m. in the Black Cultural Center, under the sponsorship of the Center and the French Department. The sub-titled film, which is open to the public, has won a number of prizes, including the International Critics' Prize at the 1968 Venice Biennale.

In writing

The latest writing of Dr. Joseph Jay Rubin, professor of American literature, "The Historic Whitman," has been published by the University Press. It is a biography that took years of research, to trace the forces that shaped Walt Whitman from his long island boyhood to the publication in 1855 of the first edition of "Leaves of Grass." One of the highlights of the book is the series of eleven "Letters from a Travelling Bachelor," which Dr. Rubin discovered in the course of his research through the newspapers and journals of the early Whitman era. The letters were written in 1849 when Whitman was a political outcast, and he had left Brooklyn to seek sanctuary in the countryside, sending his impressions back to the Sunday "Dispatch" in New York. In sum, Whitman came out a "greater man" than Dr. Rubin had envisioned before he began his research. The book was preceded by an earlier study by Dr. Rubin, which was titled "Walt Whitman of the New York Aurora."

Lecture series honors Althouse

A memorial to the late Dr. Paul M. Althouse, University Provost at the time of his death in 1972, has been established in the form of an annual Althouse lecture at Hershey Medical Center.

The endowed lecture series has been made possible through contributions made to the Althouse Memorial Fund and by a recent matching gift from the Althouse family. Other Althouse memorial contributions will be added to the fund to further endow the series.

"This is an especially appropriate way to honor the memory of Paul Althouse," Dr. Russell E. Larson, current provost, said. "Those who worked with him over many years were keenly aware of his interest in medicine. Although a layman in the field,

Dr. Edwin L. Herr, professor and head, department of counseling education, and acting dean for graduate studies at the College of Education, is the editor, and one of the authors of "Vocational Guidance and Human Development," published by Houghton Mifflin. The 596-page volume commemorates the Sixtieth Anniversary of the National Vocational Guidance Association and is Dr. Herr's sixth book.

Comprised of 22 chapters written by Dr. Herr and 21 other theorists and researchers, the book addresses such topics as characteristics of the human environment and implications for individual choice; modeling in career development theory; professional techniques of vocational guidance including computer applications; vocational career planning, assessment; vocational guidance of girls and women; disadvantaged, minority and handicapped populations; American vocational guidance techniques in world wide perspective; and emerging trends in manpower development, planning for work, and vocational guidance as viewed from an international perspective.

his knowledge of medicine and medical affairs was extensive, springing in part from a serious interest in biochemistry but also from a scientist's interest in the marvelous complexity of the human body."

The annual Althouse lecturer will be selected by a committee of Hershey and University Park faculty members to be appointed by Dr. Harry Prysowsky, dean of the College of Medicine and provost of the Medical Center.

In recognition of Dr. Althouse's service to the University, the Board of Trustees on September 22, 1972, named the new biochemistry building on the University Park campus in his honor. It was dedicated on November 6, 1972.

The Choral, which is directed by James Benshoof, instructor of music, will include a new work, "Toccata for Brass and Percussion," by a candidate for the M.F.A. in composition, Stephen Stone. The program is to be given in the Music Building recital hall, beginning at 8:30 p.m.

Karen Cain, instructor of voice, and Robert Treby, associate professor of music, will sing selected works from a variety of opera and operetta works in their program Monday, Feb. 18. Mozart operas such as "The Marriage of Figaro" and "The Magic Flute" will be represented as will George Gershwin's "Porgy and Bess." Resnick's "The Barber of Seville" and Verdi's "La Traviata" and other operas are also on the program. Philip Coetzer, assistant professor of music, will accompany the singers. The program is at 8:30 p.m. in the Music Building recital hall.

Student evaluation proposal also discussed

Senate approves repeat rule changes

The University Faculty Senate has approved changes in the course repeat rule for students.

Rule M-3-b, which has been the object of discussion since it was implemented in Spring Term, 1973, was altered at the Feb. 5 Senate meeting to permit students to repeat only courses in which they received an "F" grade. If the student receives a grade of "C" or better in the repeated course, only the last grade will be used to calculate his grade-point average. All grades earned, however, remain on the student's permanent academic record.

The revised rule, which is expected to be in effect by Spring Term, sets a limit of four petitions a student may make for repeating courses. If a student fails the same course more than four times, it also provides that only one "F" will be included from grade-point average calculations.

The Senate also approved a change in the rule involving grade-point average to bring it into line with the revised M-3-b. Also approved were recommendations from the Credit Acquisition Subcommittee aimed at standardizing ways students may receive advanced placement or earn credits other than in resident education.

The recommendations, dealing with various programs ranging from military service school and correspondence courses to the College Level Entrance Examination, are designed to provide standardization with emphasis on standards.

The Senate also discussed a proposal for student evaluation of instruction.

Dr. William L. Harkness, chairman of the

subcommittee which developed the proposal, said it is diagnostic in nature and emphasizes the development of courses and teaching.

Action on the plan, which involves use of a University-wide questionnaire, is expected at the March 5 Senate meeting. In other business, the Senate heard report from Dr. Donald C. Rung, chairman of the Subcommittee on Fringe Benefits on Senate Bill 472.

Staff vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1331 (Network Line 475-1387). Applications for these vacancies will be accepted until:

5 P.M., THURSDAY, FEB. 21, 1974
PRODUCER — DIRECTOR, GENERAL EDUCATION CONTINUING EDUCATION University Park

Responsibilities for the planning and coordination of all phases of production projects in the area of General Education. Bachelor's degree or equivalent with one to two years of effective experience in general education or information broadcasting. Candidates must be capable of film production in addition to television.

UNOERGAUO STUDIES ADVISOR/CONSULTANT
Faculty Center

Responsible for the conduct of programs in the field of Undergraduate Studies. Ph.D. or O.E.D. in counseling psychology, counselor education or related training, or Master's degree plus two to three years of relevant academic experience.

PENN STATE intercom

Volume 3, Number 23

February 21, 1974

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

Have experience in developing sites with restraints

Architects selected for Faculty Club

A Penn State Faculty Club is about to move from dream to drawing board with the selection of the Philadelphia firm of Venturi and Rauch as architects for its building.

Because it will be built from private rather than State funds, the Club was able to choose its own architect, according to Louis Insera, associate professor of architecture who headed the selection committee.

Five architects with international reputations were considered as finalists by the committee (which also included Dean Walter H. Walters and Dr. James Tammen), and several of them came to campus to examine the site at first hand and talk with Faculty Club officers.

Several criteria dictated the decision to hire Venturi and Rauch, Insera says.

"The firm has a reputation for design innovation and excellence and previously demonstrated competence in developing sites with severe restraints," he continues. "They won a national competition to de-

sign an addition to a mathematics building at Yale; a Virginia Polytechnic Institute committee selected them to add on to an older library building there; and they are now designing an art museum addition at Oberlin.

"The problem in all these projects is that of accommodating modern additions to buildings of earlier historical styles, a problem facing Penn State's Faculty Club which will be built either as an addition to or in the general area of the Nittany Lion Inn."

Beyond this experience in sympathetically adding new construction to existing structures, Insera reports, Venturi and Rauch are familiar with the needs of university clients and building types. Venturi has taught at Yale and Penn, and the firm is currently doing two buildings for SUNY at Purchase.

Venturi and Rauch also have a good record for technical performance and cost control, both very important factors in the present inflationary crisis, Insera says. "And finally, this is a small, young firm

whose principals are actively involved in all phases of the work."

Although considered a small building project, the site of the Faculty Club challenged the architects who saw it.

"Historically in this country," Insera explains, "we have preferred to tear down rather than add on to existing structures. How to save older buildings and make them usable today is an architectural problem which has been handled very sensitively in Europe and one which is beginning to intrigue good American architects. All of the architects who visited the campus were interested by the problem."

Where does the Faculty Club building program stand now?

Insera notes that University President John W. Oswald has given valuable support both to the concept of a faculty club and in helping expedite planning which must be approved by the Board of Trustees.

"At this point in time," Insera continues, "we have a square foot figure and

(Continued on page four)

News in brief

CAPITOL SHOW

Art works of Oliver LaGrone, special assistant to the vice president for undergraduate studies, are on display this week at Capitol Campus, where he was formerly lecturer-artist. Among the works on display is his sculpture of Harriet Tubman, who through the underground railroad in the first half of the 19th century led some 300 slaves from the south to freedom. LaGrone is visiting the Behrend College this week for lectures and informal sessions.

FACT CARDS

A new supply of updated "Penn State Fact Cards" has been received, and departments or faculty members may obtain supplies of these useful information cards by calling 855-5701 or writing to D. R. Schuckers, Room 304 Old Main. The wallet-size cards include historical and current information about the University in a concise but detailed way for distribution to the general public.

(Continued on page two)

Accountants now trained to deal with human behavior impact

People who think of accountants as number pushers — albeit highly valuable ones with April 15 approaching — have no conception of how broad gauged the profession is today.

"If you pursue accounting only as applied economics, you're dealing with a very shallow field," says Dr. William L. Ferrara, professor of accounting. "There's a lot more to it than gathering the kinds of data necessary to implement pricing and output decisions or cost-benefit analyses."

"Man has many goals, and to get him to

help you attain organizational objectives takes more than just facts. You can give an employee or manager theoretically perfect data and still not get the desired results. So a new aspect is added: applied psychology which becomes inseparable from applied economics."

Dr. Ferrara explains how this might work by using as an example a company with two grades (firsts and seconds) of manufactured products, each with the same production costs.

"The company's salesmen may push

firsts," he says, "because they bring the highest commissions based on profit contribution. So that's where a common procedure comes into play: adjust the cost of each grade of product more closely to its market price. By keeping profitability the same, the incentive the salesmen had to push the higher priced goods is removed."

"Of course, I'm not saying that all accountants have to be super psychologists. Typically, the training of an accountant involves a great deal of economics, but in recent years, we have also begun to train students to recognize and deal with the impact of human behavior. It makes accounting a much more exciting field."

Certainly, Dr. Ferrara has never found accounting dull. He has so combined his activities in research, teaching, and professional societies that he finds it hard to distinguish among them.

"People bring me real life problems," he notes, "and in the process of resolving them, I enlarge my own understanding of theory and contribute to the education of my students. I'll walk into my advanced classes with an unsolved problem, give them the facts leading up to it, and see what they can come up with. It's amazing what they'll do."

"The same holds true with the groups of practitioners I meet at the management seminars Penn State sponsors. I like to build up to the two or three real problems of the day in my field and just drop them on these men. It's been a very successful teaching technique."

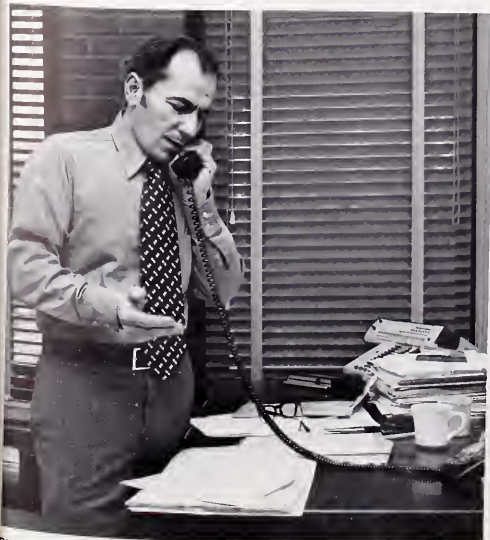
"At the same time, one of my recent papers on leasing decisions, a particular research interest of mine, benefited from bouncing my ideas off practitioners who were dealing with the same issue in their own companies."

Although Dr. Ferrara finds accounting a highly rewarding field, his entry into the profession was accidental.

"I was finishing high school in Chicago with no idea of what I wanted to do," he recalls, "when a classmate casually said he'd heard Certified Public Accountants did well financially and the work was enjoyable. I didn't even know what a CPA was (although five years later I became one myself). At about the same time, a cousin of mine enrolled at DePaul, and I thought, 'What the heck, I might as well go, too.' After I got there, I found I enjoyed college so much, I decided to become a professional student."

From DePaul, he went to Michigan State

(Continued on page two)



Dr. William L. Ferrara, professor of accounting — applied psychology with applied economics.

Calendar comments sought

A Presidential Commission, with membership drawn from administrators, faculty, and students, and representing a range of campuses, is studying the University Calendar. The Commission is reviewing not only the length of time from registration to final grades ("terms," "semesters," "trimesters," etc.), but also length of contact periods ("classes"), frequency of meetings, relationship to holiday times, use of the summer, etc.

The Commission would like to invite comments at this time from faculty members, students and staff who feel they have solutions for problems in Penn State's current calendar pattern. Also, in a large university such as this, there are undoubtedly some learning experiences that would benefit from unique and innovative scheduling patterns. The Commission is interested in exploring the possibility of maximum individual flexibility which can be implemented without serious hardship on any segment of the University.

Therefore the Commission is looking for thoughtful, detailed comments about problems, with constructive criticisms and alternative solutions. Comments should be sent to the Calendar Commission at 405 Old Main. Preferably, communications should be signed so the correspondent may be contacted for additional information, if necessary.

Philip Allison Shelley dies

Dr. Philip Allison Shelley, who retired last July 1 as professor emeritus of German and comparative literature, died February 14; he was 66.

In 1971, Dr. Shelley gave the University Libraries his collection of Anglica Americana Germanica, containing nearly 10,000 volumes comprising British and American translations of German works, as well as hundreds of records of German art songs, pictorial art and manuscripts and autograph letters of American, English and German authors. He became curator of the Allison-Shelley Collection in the Libraries and, in recognition of his contributions, he was named a member of the Presidential Associates of the University.

A 1929 graduate of Penn State, he obtained an M.A. degree in comparative literature at Harvard University in 1930 and a Ph.D. in Germanic philology in 1933. Then, with the aid of an Ottendorfer Memorial

Fellowship, he studied at the German universities in Berlin and Göttingen in 1933 and 1934. He became a member of the Penn State faculty in 1939, headed the German department from 1942 to 1946, was chairman of the Comparative Literature Program from 1952 to 1970, director of the General Education Program in Humanities and Social Sciences 1964-71, and curator of the Allison-Shelley Collection for the past three years. He was active in the University Senate for 20 years, serving for ten years as chairman of the Courses of Study Committee.

The author of many scholarly articles and reviews, he was co-author "An Outline-History of German Literature" which has been revised and reprinted a number of times and was senior editor of three volumes of "Anglo-American and American-German Crosscurrents."

Memorial gifts may be made to the University for The Allison-Shelley Collection.

A student-faculty group

Black Studies committee formed

A student-faculty Black Studies Committee has been appointed as part of a continuing effort to recognize and strengthen the University's Black Studies Program.

The new program is a consolidation of the present African Studies Option and new Black Studies offerings under an inter-college administration in the Office of the Vice President for Undergraduate Studies.

Dr. Robert E. Durham, vice president for undergraduate studies, said the committee, chaired by Dr. Cyril Griffitts, assistant professor of history, will serve as the academic program committee for Black Studies in co-operation with the program director and teaching faculty.

Committee members, besides Dr. Griffitts,

are Roy L. Austin, assistant professor of sociology; Dr. Leland L. Beik, professor of marketing, vice chairman; Lancelot Braithwaite, assistant professor of English; Elizabeth G. Ellis, associate librarian, and chief, Undergraduate Libraries; Dr. Edward R. Fagan, professor of education; Dr. Grant N. Farr, professor and head of the department of economics; Oliver LaGrone, special assistant to the vice president for undergraduates; Dr. Charlotte W. Mangold, associate professor of German at the O'gonz Campus; Dr. Warren T. Morrill, professor and head of the department of anthropology.

Student members of the committee are Lee A. Colfer and Alfred D. Harrell, both of Philadelphia.

venworth, Kans. A freshman computer science-mathematics major, Miss Rutledge is America's reigning Junior Miss. Miss McLernan is a freshman enrolled in liberal arts. Both are members of the NROTC Rifle and Pistol Team and Basic Drill Team.

BERKS VISITORS

Seventh grade students of a junior high school in the Reading area visited the Berks Campus recently as part of the "Community Languages Learning Experience" program, a unique approach to improve reading abilities of seventh and eighth grade students. The junior high school's teachers participating in the program were trained through the Berks Continuing Education office. The Reading School District and the Model Cities Agency are cooperating in the program, which uses the city itself as a classroom; a previous trip was taken to a bank. Dr. Deno Thevas, professor of education and psychology at University Park, directed evaluation of the program last year, and Kutztown State College faculty members are doing the evaluation this year.

SOLAR ENERGY HOUSE

As a feature of the Berks Campus activities for "National Engineers' Week," the Pennsylvania Power and Light Co. is demonstrating the operation of a solar energy home today (Feb. 21). The company began construction of the home last October in the Lehigh Valley; designed for mass marketing and valued in the \$30-\$35, 000 range, the house has supplemental energy sources available. Supervisor of research and technical services for PP and L is a 1961 Penn State graduate, Robert Romancheck, who also taught in Penn State's evening school in Scranton and Allentown from 1962 to 1969.

NEWS —

(Continued from page one)

STUDENTS SELECTED

Roger J. Adams and R. Clark Maines, both candidates for the Ph.D. degree in art history, have been selected by the Southeastern Institute of Medieval and Renaissance Studies to participate in six-week seminars this summer. Adams, who will get his degree at commencement Mar. 9, was named a Fellow in the "Medieval Virtues and Virtues" seminar and Maines will be an alternate Fellow in the "Sacred and Secular Attributes" sessions. The Institute, funded in part by the National Endowment for the Humanities, makes available resources of Duke University and the University of North Carolina to scholars and teachers in art history for the advancement of scholarship and teaching improvement.

SAFETY MEASURES

Additional measures were taken last week to improve the security of the campus in light of recent problems. The steps announced were improved lighting, establishment of a rumor control center, operation of campus bus loops at night with student security personnel aboard, increasing day and night security patrols. Other changes are being discussed with student leaders.

MUSEUM TOURS

Beginning today (Thursday), the Museum of Art will conduct tours of current exhibits each Thursday at 1:30 p.m. Interested persons should assemble in the lobby of the Museum. Volunteer docents will lead the tours.

LADY MARINES

The Marine Corps has accepted applications for the first female Marine Option students at Penn State's Navy ROTC Unit. Accepted were Patricia McLernan of Quantico, Va., and Linda S. Rutledge, Fort Lea-

Library course added to schedule

A new Library Science course will be offered beginning with the Spring Term devoted to "Alternative/Fugitive Information Sources" and will be in the charge of Miriam D. Pierce, senior assistant librarian.

Lt. Col. 498 has been designed to explore in depth the information sources not readily available through the catalog. Spec-

ial attention will be given to the individual student; the course has a maximum enrollment limit of 15. Librarians working with Mrs. Pierce are Bruce Bonta, Nancy Cline, Ruby Miller, June Morrison and Charles Mann.

For more information, Mrs. Pierce can be reached at 865-7951; W211 West Palace.

Others yet to be announced

More research, study leaves

Dr. Carroll C. Arnold, professor of speech communication, June-November, 1974, to undertake a philosophical analysis of the act of listening to rhetorical speech and to write.

Dr. Elton Awtaler, professor of political science, September, 1974-February, 1975, to work on a book dealing with the economic, social, and decolonization programs of the United Nations.

In writing

A new look at the American journalistic tradition of muckraking appears in a book by John M. Harrison, professor of journalism and American studies, and Harry H. Stein, visiting scholar at Penn's Annenberg School of Communications. "Muckraking, Past, Present, and Future," published by the University Press, contends that muckraking is an enduring phenomenon, not a movement limited to the early-century Progressive Era. The authors say that consumers or advocates like Ralph Nader and writers like Jack Anderson are today's muckrakers, and that publication of the Pentagon Papers and the development of the Watergate story are examples of muckraking journalism in the 1970's. The book features chapters by other authors, pointing out muckraking's role in the Twentieth Century. Chapter topics range from "Muckraking and Middle America" to "Some Reflections on Muckraking in the Contemporary Best-Seller."

"Exercises in Sociology" by Dr. Joseph E. Faulkner, associate professor of sociology, and Dr. Rex H. Warland, associate professor of rural sociology, have been published by Charles Merrill. In a new approach, the students themselves supply the data used in the exercises by means of a questionnaire completed at the first class session. Interest of students in the study of sociology is thus heightened, the authors believe, since they are analyzing their own collective response to the important questions facing society. The 17 exercises deal with such problems as the effects of class position upon voting behavior, the new roles of men and women in society, and anticipated family sizes as a function of religious identification.

ACCOUNTANTS —

(Continued from page one)

in 1954, emerging five years later with a master's and doctorate in accounting and a wife, the former Carol Ann Williams. He taught for three years at Illinois before coming to Penn State in 1962. The Ferraras are the parents of seven children, ranging in age from eight to 18, and Dr. Ferrara notes that after "normal" working hours, it's pretty hard to get him to come back to school evenings, since he likes to spend time with his family.

Despite this restriction, he manages to maintain a heavy schedule of professional commitments. He has been particularly active in three societies, the American Institute of Certified Public Accountants, the American Accounting Association, and the National Association of Accountants.

From 1967 through 1971, he was one of nine members comprising AICPA's Board of Examiners, a group responsible for preparing the two-and-one-half day exam all CPAs must pass.

"Accounting is one of the few professions which really has uniform national standards for its practitioners, and being on the Board was a great responsibility," Dr. Ferrara says. "Thousands of people take the exam each year, and you're always conscious of how much you may be affecting their lives."

For AAA, Dr. Ferrara chaired the Advisory Committee to the Director of Education from 1971 to 1973. Prior to that, he headed the CPA Examination Committee and was a member of the Doctoral Consortium Committee.

He has held a variety of posts in NAA, including service as National Vice President, as a member of the National Board of Directors and on the National Research Committee. He was chairman of the National Education Committee and a member of the National Executive Committee.

Dr. Janice A. Egeland, associate professor of behavioral science, Hershey, Pa., January-June, 1974, to serve as visiting associate professor in the department of psychiatry, University of Miami School of Medicine.

Robert H. Farson, associate professor of journalism, December, 1974-May, 1975, to study mass media performance in England, particularly public affairs reporting and interpretive journalism on the new British commercial radio stations.

Dr. Robert E. Ginsberg, associate professor of philosophy, Delaware County, July, 1974-June, 1975, to write a philosophical study of the place of ethical values in the conduct of democratic government.

Dr. David S. Palermo, professor of psychology, December, 1974-May, 1975, to the University of Sydney, Australia, to pull together research on the relations among the developing and developed cognitive capacities of child and adult for a book on "The Psychology of Language."

Dr. Il Chul Park, assistant professor of philosophy at the Beaver Campus, Sept. 15 to March 15, 1975, to do post-doctoral study at either Cologne University or Free University of West Berlin in a study of a constructive technique of sociology.

William S. Pierce, chief of facilities planning and associate librarian, July-December, 1975, to prepare a book on the planning and furnishing of library interiors.

Walter L. Royall, associate professor of English at Wilkes-Barre Campus, Fall Term 1974, to prepare the plays of John Bunyan for possible presentation on campuses during the nation's Bicentennial Year, and during the Spring Term, 1975, to explore the possibility of producing a musical comedy from "Magee," by John Cassavetes.

Dr. Lita L. Schwartz, associate professor of educational psychology at the O'gonz Campus, Sept. 1 to Nov. 30, to visit teacher training and special education facilities in Israel and speak at a teacher training college, during October, and to work on a part-time basis at the pre-school intervention project at the Franklin Institute, Philadelphia, during the remainder of her leave.

However, he has now asked to be excused from all other NAA duties in order to concentrate for the next three years on his chairmanship of the NAA Advisory Committee concerned with a study of "Business Decision Models."

"I think this study has a tremendous potential," Dr. Ferrara says. "There will be two different groups of researchers, one studying normative theory and the other practice in managerial decision-making, and their conclusions will be combined in a final report which would have a great impact on the field."

As an educator, Dr. Ferrara's own impact has been profound. He was one of 15 persons chosen to participate in the Pike Waterhouse Foundation project which developed a comprehensive outline for new introductory courses in accounting. Two courses resulted from the group's work, one of which had a trial run, and the results were published in a book, "A New Introduction to Accounting."

He is now involved in a second Pike Waterhouse project, a major effort to enhance the level of accounting education, particularly the curriculum for advanced courses in financial and managerial accounting.

He is the co-author of a book, "Management Accounting for Profit Control," which has written a number of papers, three of which were designated as Merit Award Manuscripts by the NAA.

At the same time, Dr. Ferrara has accepted the job of serving on a task force for external affairs in the College of Business Administration to develop new programs and. And he manages to keep his squash or paddleball a few times a week "in shape."

Obviously he has something to contribute outside his field too — In the area of efficiently budgeting one's time.

February 21-March 3, 1974

Special Events

Thursday, Feb. 21 — Tour of Museum of Art, assemble in lobby of Museum at 1:30 p.m.
Thursday-Saturday, Feb. 21-23 — University Theatre, "Blessed Event," 8 p.m., Pavilion Theatre.
Thursday, Feb. 21 — Faculty Women's Club luncheon lecture, 12:30-3 p.m., Room 101 Kern. Mrs. Theima A. Baker and Dr. Paul H. Baker, anthropology, on "Human Adaptability to the Environment."
Thursday, Feb. 21 — Film, "Malcolm X Speaks," 7:30 p.m., Black Cultural Center.
Friday, Feb. 22 — Hetzel Union Board, ple sitting concert for Washington's birthday, 8-9 p.m., Cardroom, HUB.

Friday, Feb. 22 — Penn State Brass Choral, 8:30 p.m., Music Bldg. Recital hall.
Friday, Feb. 22 — Folk and Square Dance Roundup, 7:30-9 p.m., North Gym, White.
Friday, Feb. 22 — Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.
Friday, Feb. 22 — HOPS lecture by Troy D. Perry, Universal Fellowship of Metropolitan Community Church and National Gay Liberation Leader, 8 p.m., Room 64 Willard.
Saturday, Feb. 23 — Sports: Wrestling vs. Pittsburgh, 4 p.m.; Men's Swimming vs. Pittsburgh, 2 p.m.; Men's Basketball vs. So. Connecticut, 8 p.m.; Women's Basketball vs. Indiana U. of Pa., 1 p.m.; Women's swimming vs. East Stroudsburg, Clarion State, Slippery Rock, 5:30 p.m.

Sunday, Feb. 24 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.
Sunday, Feb. 24 — Chapel Service, 11 a.m., Eisenhower Chapel. Jon P. Gurneman, religious studies.
Monday, Feb. 25 — Veterans Affairs Office, film on job opportunities for veterans, 3-5 p.m., HUB assembly room.
Monday, Feb. 25 — Nancy Hadden, Baroque music recital, 8:30 p.m., Music Bldg. recital hall.
Tuesday, Feb. 26 — Sports: Men's Basketball vs. Ohio University, 8 p.m., Rec Hall.
Wednesday, Feb. 27 — Debra Fatula, voice recital, 8:30 p.m., Music Bldg. recital hall.
Saturday, March 2 — Sports: Men's Basketball vs. Rutgers, 8 p.m., Rec Hall.

Lectures

Monday, Feb. 25 — Inter-Science Series, Dr. Hans W. J. Margardt, Memorial Sloan-Kettering Cancer Center, on "Mechanism of Hydrocortisone — Induced Malignant Transformation in Tissue Culture," 4 p.m., Room 130 Whitmore.
Tuesday, Feb. 26 — Dr. Dixy Lee Ray, chairman of the Atomic Energy Commission, on "Nuclear Safety and Public Understanding" during National Engineering Week, 4 p.m., Schwab.
Wednesday, Feb. 27 — Environmental and Energy Policy Series, 8 p.m., Keller Conference Center, Harry Perry, Resources for the Future, on "Determining a National Energy Policy."

Seminars

Thursday, Feb. 21 — Chemistry, 12:45 p.m., Room 310 Whitmore. Stuart P. Gram, National Bureau of Standards, on "Humano-Chemical Measurements by Gas Chromatography."
Thursday, Feb. 21 — Agronomy, 3:55 p.m., Room 301 Agrl. Adm. R. Pfeiffer and G. W. McKee on "Revegetation of Strip Mine Spoils."
Friday, Feb. 21 — Physics, 3:55 p.m., Room 117 Osmond. Leon E. Esaki, Nobel Laureate, IBM Watson Research Center, on "Recent Developments in Surface Physics."
Thursday, Feb. 21 — Anthropology, 3 p.m., Room 107 Social Science. Dr. Bennett Olyan on "The Social Behavior of Artificial Animals."

Friday, Feb. 22 — Physical Chemistry, 4 p.m., Room 310 Whitmore. Vincent Madson, Harvard Medical School, on "Special Studies of Cyclic Peptide Ion Binding Conformation."
Monday, Feb. 25 — Plant Pathology, 9:45 a.m., Room 213 Buckhout. Panel discussion, Dr. W. Merrill on "Extension from the Researcher's Point of View" and Dr. D. H. Petersen on "Research from the Extension Point of View."
Monday, Feb. 25 — Current issues in Food and Agriculture, 1 p.m., Room 202 Board. Mrs. Ligea A. Hsu, CAPES Scholar in Food Science, on "Food Supplies for Hard Times."
Monday, Feb. 25 — Genetics, 3:55 p.m., Room 111 Tyson. Dr. Guy McKee on "Release and Multiplication of Plant Varieties Developed by the Pa. Agriculture Experiment Station."

Monday, Feb. 25 — Computation Center Series on "Introduction to APL, Part 3," 7:30 p.m., Room 201A Business Administration.
Tuesday, Feb. 26 — Solid State Physics, 1 p.m., Room 101 Osmond. Peter Downey, University of Washington, on "Metastability and Hysteresis: Catastrophy in Growth of Liquid Films."
Tuesday, Feb. 26 — Two Cultures Dialogue, 12:30 p.m., Room 189 Materials Research Lab. Attorney John Gilliland and J. C. Psychalakis (business administration), on "Value Considerations in Law and Business Education."
Tuesday, Feb. 26 — Aerospace, 3:55 p.m., Room 232 Hammond. Dr. Alek Mikolajczak, Pratt and Whitney Aircraft Company, on "Current Research in Compressor Air Dynamics and Acoustics."

Tuesday, Feb. 26 — Computer Science, 4 p.m., Room 601 Altshouse. Peter Downey, Harvard University, on "Formal Languages and Recursion Schemes."
Wednesday, Feb. 27 — Analytical Chemistry, 8:30 a.m., Room 310 Whitmore. Spring Term Program Discussion (organizational meeting).
Wednesday, Feb. 27 — Biochemistry, 4 p.m., Room 101 Altshouse. D. Zolock on Oxygen Binding by Chemically Modified Hemoglobins.
Thursday, Feb. 28 — Statistics, 4 p.m., Room 75 Willard. Dr. George H. Weiss, Chis, Physical Sciences Laboratory, PHS, Bethesda, Maryland, on "A Bacterial Random Walk."

Official

Wednesday, Feb. 27 — Last day for signing Emergency Loans for the Winter Term.
Wednesday, Feb. 27 — Classes end, 9:55 p.m.
Thursday-Saturday, Feb. 28-March 2 — Final Exams.

Exhibits

Museum of Art — Charles Sheeler, The Works on Paper, Gallery A. Selections from the Permanent Collection, Gallery B. Prints and Drawings from Central Pennsylvania Collectors, Gallery C.
Zoller Gallery — Arnold Bittelman, drawings, and Dolores Bittelman, weavings.
Chambers Gallery — Multi-media exhibit of art works by 30 graduate students in art education, ending Feb. 27.
Pattee Library — Jean Furst, prints, West Pattee Lobby. Peter Kaufman, paintings, East Lobby. Postage Stamps from New Zealand, Main Entrance Lobby.
Black Cultural Center — Nina Gilbert, fifth-floor industrial education and art major exhibit of charcoal drawings, watercolors, lithograph drawings, acrylic paintings, scratchboard drawings, and photographs; continuing until Feb. 28.
Hammond Gallery — Engineers' Week exhibit, concluding Feb. 23. Gallery hours, 9 a.m. to 5 p.m.

WPXS highlights

"Medical Experiments on Prisoners: Are the Cons Being Used?" is the subject of debate on "The Advocates" Thursday, Feb. 21, at 8 p.m. on WPXS-TV, Channel 3. The debate centers around the use of prison "volunteers" in the testing of new drugs. One side says that prisoners are actually coerced into volunteering for money or to better their chances for parole. The other camp maintains that the prisoners perform a vital and necessary service to society, regardless of their motives. The hour-long debate may also be seen Saturday, Feb. 23, at 2 p.m.
"Alexander Nevsky," Russian director Sergei Eisenstein's 1938 film classic, is presented on "The Humanities Film Forum" Thursday at 9 p.m. Made just prior to Russia's involvement in World War II, the film is set in 1242 A.D. and depicts the struggle of Russian Prince Alexander Nevsky to unite Russia to combat invaders from both East and West. The film features soundtrack music by Prokofiev.

Julian Bond, Democratic member of Georgia's House of Representatives, and John Lewis, chief of the Atlanta-based Federal Education Project, discuss "Politics and Black Progress" on William F. Buckley's "Firing Line" Sunday, Feb. 24, at 2 p.m.
"The Unquiet Death of Julius and Ethel Rosenberg," a full-scale documentary re-examination of the controversial Rosenberg-Sobell atomic spy case of the early 1950s, is featured on "The PBS Special of the Week" Monday, Feb. 25, at 8 p.m. The 90-minute documentary is the most comprehensive current work on the subject in any medium. Twenty people who were directly involved in the case or whose lives were affected by it will speak publicly for the first time on the subject during the program. Included is Morton Sobell, who was sentenced as a co-conspirator with the Rosenbergs and who has since been freed for the first time on the documentary. Also appearing are the two Rosenberg sons, prosecutor Roy Cohn, two FBI agents involved in the investigation, and five members of the original jury, along with other key figures in the case.

Films

Thursday-Sunday, Feb. 21-24 — Centre Halls, "Ten Commandments," Thursday and Sunday at 7 p.m., Friday and Saturday at 7 and 11 p.m., Room 105 Forum.
Saturday, Feb. 23 — U.S.G., "The Pit and the Pendulum," 7:30 and 10 p.m., HUB assembly room.

Meetings

Thursday, Feb. 21 — Student Assistance Center, 7:30-9:30 p.m., Room 213 HUB.

Funding Opportunities

For more information, call 855-1372 except where noted below, and refer to the item by its number grants and the general information provided. People with grants information for dissemination in this column should call the same number.

FEBRUARY 21, 1974
(117-1) The Council on International Exchange of Scholars has issued a "Supplementary Announcement of Available Senior Fulbright-Hays U.S. Citizens and Scholars." Applicants must be persons and foreign nationals, have university teaching experience and foreign language competency in order to qualify for foreign appointments. To qualify for local degree or have "recognized professional standing." A list of openings is available. To request, write to the Council on International Exchange of Scholars, 2101 Conventions Ave., Washington, DC, 20018 (202)991-1647. July is the deadline for 1975-76 research applications and is also supported for research applications.
(117-2) The Ames Laboratory of the U.S. Atomic Energy Commission, located at Iowa State University, is sponsoring two summer programs. It is an opportunity for visiting faculty to learn something about the Ames Laboratory and to contribute to AEC Physical Research Division. The second program is called the Summer Student Training Program and is organized for college juniors in chemistry, metallurgy, mathematics, computer science,

physics, ceramic engineering, and chemical engineering. Students will receive \$125 per week. U.S. citizenship is required for both programs. March 1, 1974, is the application deadline date. More information is available from: Curtiss S. Reberg, Personnel Officer, Room 127 Speeding Hall, Ames Laboratory, USAEC, Ames, Iowa 50010.
(117-3) The National Institutes of Mental Health is sponsoring a Continuing Education Training Program and announces an April 1, 1974, deadline date for the receipt of preliminary proposals. The next thing date for new applications is June 1, 1974. Through its Division of Research and Training Programs, NIMH has supported continuing education projects that upgrade the skills of physicians, nurses, behavioral scientists, social workers, clergy, teachers, aides, "counselors," and others in related professional and allied roles. Top priority will be given to projects which stress the "instrumental means by which confound education programs in mental health may foster social problems." Within these priorities, objectives include: (1) "development of continuing education programs integral to mental health plans and systems for delivery of mental health services;" (2) "increased knowledge and involvement in matters of manpower development on the part of key decision makers;" (3) "development of continuing education specialists for the mental health field;" and (4) "national and regional organizational efforts for the development of continuing education in mental health."
(117-4) The Center for Population Research is interested in research grant proposals on the be-

havioral-social aspect of population, family planning, and reproductive behavior. Some suggested research ideas are: (1) economic analysis of fertility — trends, determination, regulation, model development; (2) economic factors in marriage, divorce, family formation, competition, and dissolution; (3) economic analysis of morbidity and mortality; (4) economic aspects of population distribution, regionalization, suburbanization, rural depopulation, mobility; (5) economic analysis of the antecedents and consequences of population growth and change; and (6) policy issues. Other research ideas are encouraged. The next two deadlines for research grant proposals are June 1 and Oct. 1, 1974. Details are available from M. R. Kohler, 855-1372. For other information contact: S. H. Newman, Technical Scientific Administration, Population and Reproduction Grants Branch, Center for Population Research, Nat. Inst. of Child Health and Human Development, Bethesda, Md. 20014 (201)960-5195.
(117-5) Three fiscal year 1975 Budget information releases are available: (1) The Federal Budget for Science and Technology — FY1975; including tables and graphs; (2) A Federal Budget Digest; and (3) a Statement of FY1975 Budget for the Nat. Science Foundation. For copies call M. R. Kohler, 855-1372.
(117-6) Although the NSF Guide to Programs for FY 1974 (NSF 73-75) is not yet available, copies of Section II, Research Applications have been obtained. Section III has been distributed to research deans and intercollege directors and is available. Call your Research Dean or M. R. Kohler, 855-1372.
(117-7) The Research Applications Directorate of the National Science Foundation has published Abstracts of FY 1973 RANN (Research Ap-

plied to National Needs) Awards. Five volumes are on hand, one each for the award areas of: (1) Energy Research and Technology — energy conversion, energy systems, energy resources, fuel end transportation, and solar energy; (2) Production — instrumentation technology, industrial processing, excavation and tunneling technology, municipal services and human resources and services, social data and evaluation; (3) Environmental — weather modification, regional environmental systems, environmental aspects of trace contaminants, fire research, earthquake engineering; (4) Interorganizational Science and Research Utilization — governmental science assistance, local government science assistance, research utilization activities, legislative body assistance; and (5) Exploration — Research and Problem Assessment — technology and the economy, human needs, alternative futures and institutional innovation, technology assessment, other societal problems. Each of the five volumes is available for circulation. Call M. R. Kohler, 855-1372.
REMEMBER—DEADLINE DATES
March 8 for EO Environmental Education Projects (Feb. 14 INTERCOM 116-1) . . . March 1 and June 1 for Exxon Educational RAO Program (Feb. 14 INTERCOM 116-2) . . . March 15 for NEH Education Projects Grants (Feb. 14 INTERCOM 116-3) . . . March 25 for NSF Energy Related Graduate Traineeships (Feb. 14 INTERCOM 116-4) . . . March 31 for NSF Latin American Cooperative Science Program (Feb. 14 INTERCOM 116-5) . . . April 1 for NSF Faculty Research Grants (Feb. 14 INTERCOM 116-6) . . . April 8 for NSF Decision Related Research on Technology Utilized by Local Government (Feb. 7 INTERCOM 116-7).

Barbell Club continues growth

Quoting a Penn State Barbell Club member: "After a day of being knocked out by the outside world, it's a welcome switch to take refuge in Rec Hall and spend a few hours in control of the iron."

Iron is the main ingredient of the weight lifters recipe for body development, and on any given weekday you can find a hundred or more young and middle age men moving iron vertically from one place to another, in various poses and using a variety of muscles to accomplish their goals. For the past year, a petite psychology major, Rosalyn Weller, body weight 110 pounds, has also "controlled the iron" and with considerable success.

Many, but not all, of those using the Rec Hall weight lifting equipment and facilities are members of the Club, which has grown steadily since it was organized in 1948 and, considering the state of weight lifting generally, spectacularly. Some of them are faculty and staff members. Weight lifting is not only for the young; in fact, competitively men reach their peak in the 35-40 year age range, if they follow the necessary course of development for the 20 years or so that it takes.

The Barbell Club members came by their interest in weight lifting in a variety of ways and for a variety of reasons. Some experienced their first taste of lifting in physical education classes or sports lecture classes; others were curious enough to go with a friend "to see what it was all about."

"But seldom," says Lee Stover, president of the Club and a graduate student majoring in solid state science, "do you find someone who had weight lifting experience in high school. That's one of the areas we're working on now, by going out to the schools and demonstrating and talking about weight lifting. And already one school in the area has put in a program as the result of our visit."

Weight lifters look on their activity as a means of body development, and if Stover were indicative of all those who take the sport seriously, no one could deny its potential. In four years, Lee has increased his body weight by 70 pounds, seemingly all muscle, and now has a goal of another 15 pounds so he can lift his true "super-heavyweight" (over 242 pounds). Stover is not the largest in the Club but he is certainly one of the strongest.

At the other extreme is Rosalyn, the

Club's first woman powerlifter, who in a relatively short time has made significant gains in her lifting capacity. Last November, she competed in a novice 122-lb. class at a contest in Norristown, Pa., and won second place in a bench press deadlift competition, giving away quite a bit of weight advantage to others in her class.

In addition to working out regularly, Rosalyn conducts a weightlifting class for women as part of the Free-U program. She is now secretary of the Club and fully intends to continue her interest, which started "out of curiosity" and without any prior training. In fact, she reports, her family was not particularly athletic.

"She didn't have any fear about getting too muscular looking," Lee points out, "because if she follows the proper program, she won't have those bulges that the Mr. America types show, but instead will have a well conditioned and feminine body."

About 15 of the Club members take part in competition, inevitably off-campus; the rest compete against themselves, in a manner of speaking.

"Weight training, or progressive resistance exercise, is a method of achieving greater strength by gradually conditioning the body to handle increasingly heavy weights through a specific motion," Stover explains.

"The gains aren't made overnight, but one of the psychological advantages of weight lifting is that you can see what progress you're making by the weights you are able to handle. There's a certain satisfaction in conquering new and heavier weights, and that can be enough motivation for most lifters. They don't have to have contests to get their kicks."

"But competition does stimulate some, and for them there are enough opportunities around the country to give them all the urging they need to keep on working."

There are two styles of lifting: Olympic and power lifting. Olympic lifting involves putting the weight overhead; power lifting does not. Powerlifting techniques are easier to master, but even so it takes years of work to develop into a national class power lifter.

Olympic competition lifts are the snatch — completed in one motion — and clean-and-jerk, which includes a pause at the chest level before lifting overhead.

Powerlifting involves three distinctively different techniques: bench press, squat,



Lee Stover, president of the P. S. Barbell Club, demonstrates a deadlift of 505 pounds, seemingly without strain — but only seemingly. He is a graduate student in solid state science.



Rosalyn Weller, secretary of the Club, equals 110 pounds, with ease. She says the Club members treat her kindly, offer suggestions. She also teaches a weightlifting class in Free-U.

and deadlift. The bench press is performed by lowering then raising the weight while lying on the back on a bench. The squat involves draping the weight across the back, squatting until the thighs are parallel to the floor, and returning to a standing position. Deadlifting is accomplished by raising the weight from the floor to the standing position.

In contests, the lifter competes in a weight class (seven classes in Olympic lifting and nine in powerlifting). Club members have done well in tournaments, last year winning the National Collegiate Olympic Lifting Championships, held at York, Pa. Currently there are three Master class powerlifters training with the Club, and Allan Treaster, research assistant in the Applied Research Laboratory, and Club adviser for the past eight years, was ranked in the top ten in the superheavyweight class deadlift competitors in 1971.

The Club's membership of 125 includes students from every College (oddy enough,



Ronald Hipp, an active member of the Barbell Club for four years, shows how to bench press 300 pounds, he is in the 180-lb. class in bodyweight, is interested in general bodybuilding.



Richard Burkhardt, who is chairman of the City Olympic Lifting Committee, demonstrates the "snatch and jerk" lift with 235 pounds of iron. He is in the 180-pound weight class.

few from Health, Physical Education and Recreation) and such diverse majors as Biochemistry, English, Pre-Med, Civil Engineering, Environmental Resource Management. Varsity athletes and other non-members use the facilities, which are open to anyone in the University community.

The Club was developed as a way of bringing together those with a common interest, one which could be very lonely some. As in most sports, there are certain plateaus in development, and it helps to go over those periods of seeming stagnation; another Club member is around to lend encouragement and advice. Without special coaches, weightlifters are accustomed to "teaching" each other, knowing full well that it is pretty much up to the individual to progress in his own way. (Sometimes, a lifter develops a bad habit which only another lifter can detect.)

That, in a way, may be the key to the satisfaction weightlifters get out of the sport — that they got where they are most completely on their own.

Beaver consortium aids county's educational service

The Beaver Campus recently participated in the Second Annual Joint Seminar of the Faculties, a consortium sponsored by the Beaver County Council of Higher Learning. The Council is comprised of the faculties and staff of the Community College of Beaver County, Geneva College, and the Beaver Campus.

This year's seminar, held on the Community College Campus, was highlighted by the evening address of a national lecturer, teacher and syndicated columnist Dr. Max Lerner, speaking on "America and Its Discontents."

Nearly 300 educators were involved in

the afternoon sessions of the seminar which featured three interface panel discussions: "The Faculty Member and His Peer Group," "The Faculty Member and the Student Body," and "The Faculty Member and the Administration."

In summarizing the panels' reports, Dr. J. P. Giusti, director of the Beaver Campus, called attention to the innovative suggestions brought to light in the panel discussions and related that the Council would continue to explore new avenues of better educational service to the County.

The Beaver County Council of Higher Learning was established in 1971 to more

fully utilize the unique contributions offered by a community college, a denominational college, and a two-year university campus. One of the initial co-operative efforts was jointly sponsored cultural events. At present the three institutions are also participating in a limited cross registration of students in low enrollment courses and in the sharing of certain facilities — such as the availability of the three libraries and their resources to each student. The very real possibility also exists for a community service program provided by the faculties' combined efforts.

With appropriate University offices, and development of a central information office as an aid to appropriate aspects of the program. Bachelor's degree or equivalent, with five to seven years effective experience in areas such as journalism, marketing, advertising, or related fields. Experience in public relations, public speaking and an appreciation for cultural arts. A thorough knowledge of University policies and procedures necessary.

ATOMIC ENERGY SPECIALIST
COLLEGE OF ENGINEERING
University Park

Responsible for presenting "This Atomic World Program" to students in assemblies and in classroom sessions and for effectively lecturing, demonstrating, and informing students and the public on the peaceful applications of nuclear power. Bachelor's degree or equivalent in Science or related areas. Some teaching experience desirable.

UNDERGRADUATE STUDIES ADVISOR
DIVISION OF UNDERGRADUATE STUDIES
University Park

Assist with the conduct of the academic advising and counseling programs and services of the Division of Undergraduate Studies. Ph.D. or M.A. or equivalent with over one year effective experience, or M.A. or equivalent with two to three years effective experience.

ARCHITECTS

(Continued from page one)

certain defined functions. We know we want dining rooms, meeting rooms, perhaps a library and other facilities in a certain amount of space. The next stage in program development, defining each space exactly. How many dining rooms do we want, for example, and how large should they be? The architect must come to understand the uniqueness of the facility and how they feel about the building they are actually going to get.

To further this understanding, a committee headed by Robert H. Gray, professor and head of the department of art, drawing up a questionnaire which will be input from Faculty Club members.

University faculty and staff interested in joining the Club can send their membership fee of \$25 to Room 109 Commons Bldg.; checks should be made payable to the Penn State Faculty Club.

CREDIT LIMIT

Commencing with Summer Term 1974, no student will be allowed to register for complete final registration in Rec Hall for more than 13 credits. A student may, however, with approval of his College Dean, elect to add courses during the ten-day add period of the term so that the total number of credits being attempted in a given term exceeds 13.

This action is being taken to assure maximum course scheduling opportunities for the maximum number of students by eliminating over-load scheduling (over 13 credits) during the registration period.

Staff vacancies

The following vacancies for positions classified as staff exempt or staff nonexempt have been filled with the University Employment Division for filling. Two announcements are made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (Network Line 475-3387). Applications for these vacancies will be accepted until:

5 P.M. MARCH 7, 1974

PROGRAMMER

OFFICE OF BUDGET AND PLANNING
University Park

Participate in program design, coding and other programming tasks required to produce reports, make data computations, and maintain information files. Bachelor's degree or equivalent with training in basic computer systems and one to two years' effective experience in data processing.

SUPERVISOR, OFFICE AND ACCOUNTING

Physical Plant
University Park

Responsible for the direct supervision and coordination of a clerical staff and the overall function of the Physical Plant accounting system. Assist with and/or develop new accounting and administrative procedures to increase the efficiency and ef-

fectiveness of the accounting and support clerical functions as necessary. Associate's degree in accounting or equivalent, plus three to four years of related work experience including office supervision and the establishment and maintenance of accounting and budgeting systems and procedures.

SYSTEMS PROGRAMMER

OFFICE OF BUDGET AND PLANNING
University Park

Responsible for conducting analysis and developing decision models and preparing computer programs which will incorporate the decision models and provide useful information. Bachelor's degree or equivalent in Engineering, Business Administration, Economics, Computer Science, or Mathematics and one to two years experience in Computer Programming, Systems Application or related areas.

ASSISTANT TO THE

UNIVERSITY ARTS SERVICES
COLLEGE OF ARTS AND ARCHITECTURE
University Park

Responsible for the promotion, development, and operation of services and procedures related to promotion of the arts and cultural programs at the University, coordination of fund raising and development with foundations, corporations, organizations, associations, state and federal agencies, and private individuals in support of these offerings. Coordination of fund raising and promotional efforts

PENN STATE intercom

Volume 3, Number 24

February 28, 1974

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

Proposal on CC faculty withdrawn

Dr. Russell E. Larson, Provost of the University, has notified various Commonwealth Campus and University Park committees, councils, and administrative officers that the report dated October 2, 1973, "Proposal for New Administrative Structures to Implement Provisions of the Academic Policy Plan Relating to Commonwealth Campuses" has been withdrawn, after wide and careful review.

It was noted that a large majority of responses for organizations and individuals indicated a strong preference for achieving the goals outlined in the report by

proper modifications within the present administrative structure. The major objective of the proposal was to maintain and improve the quality of lower division baccalaureate and associate degree programs and to effect proper recognition to personnel engaged in these efforts.

Dr. Larson noted that a number of suggestions were made concerning tenure and academic rank. He said that copies of these suggestions will be given to the committee which will be responsible for drafting the revised reports on these matters.

Nine faculty members, one student

Senate forms external affairs group

Nine faculty and staff members and one student have been appointed to the newly created External Affairs Committee of the University Faculty Senate.

The committee, whose establishment was approved by the Senate at its December meeting, is to maintain an interest in current events, report to the Senate on external issues which may have present or future impact on the University, and advise the Senate on proposed statements to officials outside the University.

Dr. Thomas B. King, associate dean of the College of Agriculture, is committee chairman, while Dr. Robert H. Hamilton,

professor of biology, is vice chairman.

Other committee members are Dr. Vernon V. Aspaturian, Evan Pugh Research Professor of Political Science; Dr. Robert A. Conover, associate professor of engineering at the Capitol Campus; T. Reed Ferguson, vice president for public affairs; Mervin Hostetler, assistant professor of engineering at the Altoona Campus; Dr. Nunzio J. Palladino, dean of the College of Engineering; Dr. Marvin E. Rozen, professor of economics; Francis J. Spreng, instructor in economics at the Beaver Campus; and Dion C. Stewart, graduate assistant in the College of Earth and Mineral Sciences.

Hearings planned

The Joint Senate-Administrative Select Committee on Faculty Participation in University Governance, which conducted an open hearing Feb. 21 in the Kern Graduate Building, is planning several other hearings.

Committee representatives will meet at the Berks Campus March 14 and the Shenango Valley Campus March 28. The full afternoon sessions will begin at 1:30 p.m. The Hershey Medical Center to hear from representatives of the medical center and the Capitol Campus in Middletown. A date for the session has not yet been set.

Survey approved

The University Council last week approved a final form to be used by baccalaureate degree seniors graduating in June in evaluating their course work.

In brief the survey form asks seniors to designate the two courses inside their major field of studies that had contributed the most and the least to their major program. Seniors will be asked also to designate the two courses outside their major which contributed the most and the least to their education.

Evaluation is to be in terms of content, mode of instruction, quality of instruction, and usefulness of the course.

News in brief

BOOK SALE

With thousands of books already at collection centers being readied for AAUW's April 1 Annual Book Sale, the group is still eager to acquire more hardback and paper works, including those in such specialized areas as children's books, cookbooks, and hobby and crafts books. Quality magazines such as Gourmet or Arizona Highways are also in demand. To arrange for book pick-ups, call Miss Sarah E. Croll, 237-8069. Collection points were listed in INTERCOM, Jan. 17.

NOTE — GRADES

The Records Office reminds faculty that Winter Term grade cards for degree candidates are due at 2 p.m. Tuesday, March 5.

Grade cards for all other students are due no later than 9 a.m. Wednesday, March 6. All cards are due in the appropriate dean's office.

NUCLEAR CONFERENCE

The Northeast American Nuclear Society Student Conference will be held at Penn State March 21-23, with about 40 scientific papers to be presented by students from 11 colleges and universities in the area as the main feature of the conference.

Robert H. Arnold, graduate student in nuclear engineering and president of the Penn State student section of ANS, says that the conference is intended to open intercollegiate communication at all levels of the nuclear engineering and science fields by giving students the opportunity to present papers and meet leading figures in the field.

Dr. Herbert J. C. Kouts, director of the Division of Reactor Safety and Research, Atomic Energy Commission, will be the banquet speaker Friday, March 22.

Among Penn State students presenting papers at the conference will be Paul Rose, Philip Rensen, David Tilley, Theodore Bessman, Richard Sider, James Neyman, George Imel, Michael Cenko, and Jerry Saggiocca.

CREDIT UNION

New officers were elected by Penn State Federal Credit Union members at their annual shareholders meeting recently. They include:

Board of Directors — James C. Wambold, president; Raymond R. DiMeo, vice president; Norman H. Suhr, treasurer; M. Geraldine Gage, secretary; Richard A. Keppeler, Anthony V. Williams, Bernard J. Wydra, directors.

Supervisory Committee — George E. Olson, chairman; Bruno J. Martini, secretary; John E. Olson, Henry E. Boch, Albert E. Stolte, members.

Credit Committee — William E. Toombs, chairman; Ralph H. Locklin, secretary; Frank D. Dachille, Diane S. Bernd, and Francine Deutsch, members.

CAPITOL EXHIBIT

An exhibition of ceramics and wall hangings will be displayed at the Capitol Campus until March 20, featuring the works of Karl Beamer, Bloomsburg State College, and Margrit Schmitke, a professional. Both have exhibited widely in Pennsylvania.

NEW COURSE

A course on Comparative Communism will be offered for the first time by the department of political science during Spring Term. Teaching chores will be handled by a team of three professors, including Dr. Vernon V. Aspaturian, Dr. Trond Gilbert, and Dr. Parlis H. Chang. Communist systems in the Soviet Union, Eastern Europe, and China will be compared.

FRENCH CHEMIST

Dr. J. Badoz-Lambing, of the National Science Foundation of France, will visit the University Park campus Tuesday, Mar. 11, and she will include a lecture at 1 p.m., Room 335 Whitmore, in her activities. She will speak on "Chemistry and Electrochemistry in Nonaqueous Solvent."

HUB FOOD CLOSING

All food operations in the HUB at University Park will be closed from March 3 through March 10, resuming a normal schedule with breakfast on March 11.

Rec Hall problem

The population explosion — specifically, the increasing numbers of students, faculty and staff who have become interested in physical fitness — has created a problem for Rec Hall's facilities.

And an additional burden has been put on the limited facilities by the presence of youngsters, grade school and high school age, who have been taking over basketball courts, etc., excluding those who rightly may use the gym.

So the College of Health, Physical Education and Recreation, which administers the athletic facilities at the University, is calling on parents to help in the efforts to keep children and young people not members of the University community out of Rec Hall except when specifically invited. In addition to overcrowding, there is a safety factor involved, because some children are not aware of the potential dangers in certain activities, and proper supervision is not available.

The University's Department of Safety will ask children to leave the building if they are using any of the athletic facilities.

Engineers honor five members of faculty



Volz

Samuels

Chapin

Davids

Holl

Five faculty members of the College of Engineering were honored at the annual Engineers Week banquet last Saturday.

Excellence in Teaching Awards, which included \$500 checks made possible by the College's Alumni Association, were presented to:

Dr. Carl Volz, Sr., professor of electrical engineering.

Dr. John M. Samuels, Jr., assistant professor of industrial engineering.

Jack F. Chapin, associate professor at the Berks Campus.

Other awards were given to: Dr. Norman Davids, professor of engineering mechanics, cited for outstanding achievement in research.

Dr. J. William Holl, professor of aerospace engineering, presented the Outstanding Engineer of the Year Award of the Central Pennsylvania chapter of the American Society of Mechanical Engineers.

Also honored at the banquet were Stephen J. Junper, of Carlisle, a senior majoring in aerospace engineering who received the American Institute for Aeronautics and Astronautics award, and Lance B. Wilson, a senior at DuBois Area high school, presented the Melvin W. Isenberg Student Engineer of Tomorrow Award of the Central Chapter of the Pennsylvania Society of Professional Engineers. Wilson plans to enroll in chemical engineering.



Service Award

Edward A. Sukowski, assistant professor of health and physical education, was given the University's 25-Year Service Award plaque recently by College of Health, Physical Education and Recreation Dean Robert J. Scannell, and Charles E. Medler, also assistant professor and head of the training group of which Sukowski has been a part. Sukowski joined the staff in 1948 as instructor and as head boxing coach, with duties as trainer also. In addition to teaching physical education courses, he has been trainer for many athletic teams over the years. A Penn State graduate, he also obtained an M.Ed. degree here in 1954.

Gehris, Belasco receive honors

Paul W. E. Gehris, retired professor of general engineering at the Berks Campus, has received another honor (he was given the 1974 Award of Merit by the Society of Manufacturing Engineers last month) in being named "Engineer of the Year" by the Reading chapter, Penna. Society of Professional Engineers. The announcement of the award was made at the society's dinner Feb. 13. Nominees, who must be registered professional engineers, are judged for the award on the basis of occupational, professional and technical achievements, civic and humanitarian activities, and technical and professional societal activities. He becomes eligible for

state and national society honors through his selection by the Reading group.

Dr. Simon Belasco, professor of Romance linguistics and chairman of the linguistics program, is one of 43 scholars to be awarded a grant-in-aid by the American Council of Learned Societies. He is conducting a study of Provencal dialects, the Romance languages spoken in southeast France, recording them in such centers as Arles, Nîmes and Mâillane. Mâillane is especially important as the home of Frederic Mistral, promoter of Provencal as a literary language and co-winner of the 1904 Nobel prize for literature.

Simmons award

Nominations will be accepted until March 4 for the Loretta V. T. Simmons Graduate Scholarship to be awarded to an outstanding woman student in the Graduate School. The local chapter of A.A.U.W. sponsors the award.

The nominations are to be sent to Dr. B. F. Howell, Jr., Room 317 Graduate Building, along with a copy of the nominee's graduate transcript, copies of all previous transcripts, an evaluation of her work as a graduate student, financial need evaluation, two or more letters of recommendation, including one from her thesis advisor, GRE scores, and other supporting data.

The award is based on past scholarly accomplishments and the promise of future achievement.

Funding Opportunities

For more information, call 865-1372 except where noted below, and refer to the item by its number and the general information provided. People with funding information for dissemination in this column should call the same number.

February 28, 1974

(114-1) The OHEW Office of Child Development (NICHD) is seeking research and demonstration Grants Program is soliciting research and demonstration project applications in: (1) Children at Risk and the Child Welfare System; (2) Television and Children; and (3) Child Development and the Family. Program mission and guidelines are available for the preparation and submission of proposals. Non-solicited proposals outside the areas listed above have low priorities. The deadline for application is Mar. 22, 1974. The agency contact is: Barbara Rosengard, research coordinator, Research and Evaluation Office, Office of Child Development, P.O. Box 1162, Washington, D.C. 20013 (202-755-7758).

(114-2) The planning, establishment, and operation, of ethnic heritage studies programs will be supported by the U.S. Division of International Education. The Office of Education reports that the purpose is to "afford students opportunities to learn about the nature of their own cultural heritage and to study the contributions of the cultural heritage of other ethnic groups of the nation." Curriculum materials are to be developed for elementary, secondary, and higher education, and these are to relate to history, economics, geography, society, literature, art, music, drama, language, and general culture. The dissemination of curriculum materials will be supported by the Office of Education. The deadline for proposals is Apr. 16, 1974; guidelines should be available within a few days. For more information,

Africare unit

Africare, a two-year-old, non-political, non-profit organization, will be seeking students and faculty interested in starting a campus chapter of this national group.

A meeting will be held at 3 p.m. on Saturday, Mar. 16, in the lounge of the Hotel Union Bldg. for all interested students and faculty.

John E. Phillips, a student at Penn State and one of the organizers of Africare on campus, urges all interested in forming a chapter at Penn State to attend the meeting.

Africare is dedicated to the improvement of health in rural Africa. Currently, it is responding to the tragic famine in six West African countries — Senegal, Mauritania, Mali, Upper Volta, Niger, and Chad.

Although an independent corporation, Africare has participated with other relief groups, such as CARE, Catholic Relief Services, and Church World Services in raising funds to support their famine relief programs in West Africa.

Orientation change

Because of travel problems due to the closing of gas stations on holidays, new students scheduled to report for Fall Term orientation on Monday, Labor Day, Sept. 2, will be advised to arrive Sept. 3. More than 12,000 freshmen will be enrolled, about 4,200 at University Park and the remainder at the Commonwealth Campuses and Behrend College. Spring Term freshmen will be allowed to report on Monday, Mar. 11, rather than Mar. 10 if Sunday travel conditions pose problems for them.

Pattee Library and all its branches will observe the break schedule from Saturday, March 2 through Wednesday, March 13. The Libraries will close at 5 p.m. Monday through Friday, March 4-8 and Monday through Wednesday, March 11-13. The Libraries will be closed Sunday, March 3, Saturday, March 9, and Sunday, March 10. Regular hours will resume Thursday, March 14.

All Undergraduate Library branches will be closed from Saturday, March 2, at 5 p.m. until Thursday, March 14, at 9 a.m. when their normal hours resume.

Student jobs

Student services at the University will be implementing an information centralization of all on-campus part-time student employment openings. This new service will assist the more than 2,000 students who each month seek part-time employment.

The Student Employment Office, which now has a full-time director and increased office staffing, is making a complete listing of all part-time job openings on the campus. The job openings information will be posted in the Student Employment Office, 105 Boucke Bldg., and referrals will be made to interested students.

contact: Ethnic Heritage Studies Branch (All: Information Office), Division of International Education, Office of Education, USOHEW, Washington, D.C. 20002 (202) 424-2551.

(114-3) The National Institute of Mental Health (NIMH) has published an annotated and cross-referenced list of foundations and other private organizations which support mental health research. Entitled "Private Funds for Mental Health Research," the report is available for circulation from the Resource Information Service (M. R. Kohler 865-1372) or may be ordered from NIMH, 5600 Fishers Lane, Rockville, MD 20852 as OHEW Publ. No. (HS)75-0081.

(114-4) A full scale search of potential funding sources can be made for research, continuing education, and instructional projects of the Office of Federal Programs, the Penn State Foundation, and the Resource Information Service. Such a search can be made by filling out a single-page Preliminary Proposal Outline (PPO) available from M. R. Kohler, Room 5 Old Main. Completed PPO's are sent to the Office of Federal Programs or to the Penn State Foundation, or both. These units will return a list of potential sponsors selected from state and federal agencies, industries, and foundations. The list of interested sponsors can save time in the proposal writing process.

(114-5) Phi Kappa Phi Honor Society will have two full-time grant-in-aid, one for Spring and one for Summer, 1974. The recipient is selected from among those Graduate School grant-in-aid applicants who will be graduating in Spring or Summer. The grant-in-aid will be awarded to the qualified applicant who shows the greatest potential as a scholar will be awarded the award. Summer grant-in-aid applicants wishing to be considered for the award should submit their applications by Mar. 26. Please note that this

Calendar

Feb. 28-Mar. 10, 1974

SPECIAL EVENTS

Saturday, March 2 — Sports: Men's Basketball, vs. Rutgers, 8 p.m., Rec Hall.

SEMINARS

Thursday, March 28 — Statistics, 4 p.m., Room 75 Willard, Dr. George H. Weiss, Chief, Physical Sciences Laboratory, PHS, Bethesda, Maryland, on "A Biostatistical Random Walk."

Monday, March 4 — Current Issues in Food and Agriculture, 4 p.m., Room 202, Borland, Melvin M. Eckhaus, animal industry, on "International Food and Agriculture Programs."

OFFICIAL

Thursday-Saturday, Feb. 28-March 2 — Final exams.

Saturday, March 9 — Winter Term Commencement, 10:30 a.m., Rec Hall.

EXHIBITS

Museum of Art — Charles Sheeler, The Works on Paper, Gallery A. Selections from the Permanent Collection, Gallery B. Prints and Drawings from Central Pennsylvania Collectors, Gallery C, until March 3.

Zoller Gallery — Arnold Bittelman, drawings, and Dolores Bittelman, paintings, until March 2.

Pattee Library — Jean Furst, prints, West Lobby. Peter Kaultman, paintings, East Lobby. Postage Stamps from New Zealand, Main Entrance Lobby.

Kern Gallery — Jack Shaub, watercolor, Linda Strideck, abstract oils.

WPSX highlights

"Pennsylvania Town Meeting," a series of special programs produced by the stations of the Pennsylvania Public Television Network, begins Thursday, Feb. 28, at 8 p.m., with a "town meeting" on the energy crisis. The program is designed to provide participants from all parts of the state with the opportunity to exchange perspectives and ideas on the energy crisis. Included are documentary reports from each of the seven PPTN member stations, a discussion of the energy situation as it affects Central Pennsylvanians, and an interaction between participants in the WPSX-TV studio and residents of other parts of the state. Also featured is an interview with John Sawhill, deputy director of the Federal Energy Administration.

"Potemkin," Sergei Eisenstein's 1926 classic Russian film, is featured on The Humanities Film Forum* Saturday, March 2, at 8:30 p.m. on WPSX-TV. The film, originally a masterpiece of masterpieces, classically re-creates the 1905 rebellion of sailors aboard the ship Potemkin in Odessa harbor.

"Nova," a new series of hour-long "scientific adventures for curious growing minds," premieres Sunday, March 3, at 7:30 p.m. on Channel 3, with the award-winning "The Making of a Natural History Film." The film, produced by Britain's BBC, has won several British and international awards.

Application date is prior to deadline for spring grant-in-aid applications. All Phi Kappa Phi applicants will also be considered for Graduate School grant-in-aid. Applications must be picked up at Room 317 Kern.

(114-6) The National Endowment for the Humanities (NEH) is soliciting proposals for Grants in the Humanities, funding projects directed and conducted by students and other young persons. Grants are awarded for research, education, and public programs in history, philosophy, language, linguistics, literature, archaeology, law, prehistory, art history and criticism, and humanistic social sciences. Six-month projects are given priority. Grants for individual projects are normally under \$2,000, but grants for group projects may range up to \$10,000. A preliminary proposal of funding is given to projects which have a publication deadline. The next three formal deadlines are Apr. 1, Aug. 1, and Nov. 15, 1974.

(114-7) Continuation grants under the Language and Area Centers Program will be accepted by CEI, Room 105, Feb. 28, 1974.

(114-8) Research proposals are now being accepted by The International Space Research Federation, Inc., relating to the utilization of space technology in projects which have their primary objective an increase in the benefits which super provides to society and thus promote the utilization of space technology in the development of space and other super-technological studies of super and other super-technological public health issues; technology related to the improvement of space-containing processed foods; space studies of crops and other super-technologies; development of products resulting from research and by-product utilization. Applications for research proposals should be submitted to the agency contact is: International Space Research Federation, 7314 Wisconsin Ave., Suite 400, Bethesda, MD 20814. Applications must be received by Mar. 30, 1974. Project awards will be made by Sept. 1, 1974.

Leaves

Dr. Luther H. Harshbarger, professor of humanities and religious studies and head of the department of religious studies, Winter and Spring Terms, 1974-75, to make an historic-theological analysis of characteristic religious ideas and strands in the Romantic era, analyzing its influence on the mind and spirit of the period.

Philip Klass, associate professor of English, Fall and Winter Terms, 1974-75, to study the subject of Mark Twain as a pioneering science fiction writer.

Staff vacancies

The following vacancies for positions classified as staff assistant or staff nonexempt have been listed with the University Employment Division for filling. This announcement is made so that all University employees who are interested in promotion may apply by calling the Employment Division, 865-1387 (Network Line 475-1387). Applications for these vacancies will be accepted until:

5 P.M. MARCH 7, 1974

MAINTENANCE FOREMAN

Yup Campus

Responsible for the maintenance, repair and upkeep of the York Campus physical plant and facilities. High School education with two years vocational training or equivalent and two to four years effective experience in buildings and grounds maintenance/or construction. Supervisory experience required.

VOLUNTEER COORDINATOR

University Medical Center

Assists in developing and administering a volunteer program designed to obtain and retain an adequate, competent, and satisfied volunteer staff. Must have knowledge of hospital functions and relations and be familiar with hospital community relations.

PLANNING ANALYST

INSTITUTE OF STATE AND REGIONAL AFFAIRS

Capitol Campus

Provide technical for identifying, formulating, and examining community services projects, and participating in research projects. Master's degree in Regional Planning or equivalent or one to two years of effective experience.

ENGINEERING AIDE

University Park

Provide technical assistance to Project Engineers in the design of integrated circuits, layout, fabrication, assembly, and calibration of electronic equipment. Also prepare drawings and reports for electronic design and technical institute graduation or equivalent and four years related experience.

PENN STATE intercom

Volume 1, Number 25

March 7, 1974

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

Among the speakers, Robin Morgan, Daniel Elsberg

Colloquy has series on politics and justice

"Politics and Justice" will be the theme of a COLLOQUY series at the beginning of the Spring Term, with U.S. Rep. Paul McCloskey, R. of California, the leadoff speaker Monday, March 18, at 8 p.m. in Schwab Auditorium. He will speak on "Current Politics in Washington."

All the lectures are free and open to the public.

The series will continue with Victor Gold, former press secretary to Spiro T. Agnew and a conservative political columnist, Tuesday, March 19; Robin Morgan, feminist editor, Thursday, March 21; and Daniel Elsberg, Friday, March 22.

In addition, a video-tape film, "The Murder of Fred Hampton," will be shown Wed-

nesday, March 20, at 8 p.m. in the HUB main lounge, and a discussion will follow.

Gold, whose talk will be given in the Kern Building assembly room, will speak on "Politics —The Conservative View." Now writing a book on his Washington experiences and working as a political commentator for Metromedia Broadcasting Co., Gold writes a political column which is carried by most of the major newspapers.

Robin Morgan is author of "Sisterhood Is Powerful," a comprehensive anthology of the writings from the Women's Movement, and the royalties from the anthology have been channeled into the Women's Movement through the Sisterhood Is Pow-

erful Fund, which she founded. She is also a poet, and her first collection, "Monster," published in 1972 by Random House, was called "genius" by one reviewer. In her lecture here, in the HUB ballroom, she will discuss "Feminist Tactics."

Elsberg, whose personal story is still on the front pages, will discuss "The Pentagon Papers Trial and Beyond," at 8 p.m. in Recreation Building Friday, March 22.

The leadoff speaker, Congressman McCloskey, Jr., is from the San Mateo/Santa Clara counties, California, district. He is a member of the Government Operations and Merchant Marine and Fisheries committees in Congress. He is known as something of an Independent.

1600 to graduate at ceremonies this Saturday

Winter Term Commencement Exercises will be held Saturday, March 9, at 10:30 a.m. in Rec Hall, when about 1600 students will receive degrees, including 1,272 bachelor's degrees, 259 master's, and 74 doctor's.

President Oswald will make the presentation of the degrees, and A. Wayne Readinger, of Fleetwood, Pa., will represent the Board of Trustees at the ceremony.

Some 255 seniors will graduate with honors, 38 with highest distinction. Of the doctoral candidates, 11 will receive D.Ed. degrees and 63 will be granted Ph.D. degrees.

Faculty who plan to attend and take part in the processional, in academic dress, will meet under the south balcony in Rec Hall at 10:15 a.m. Other faculty members may wish to attend and a special seating section is provided.

Thirteen seniors who have completed the Reserve Officer Training Corps program will be commissioned Saturday at 8:30 a.m. in the HUB Assembly Room. Four will be commissioned as second lieutenants in the U.S. Army and one in the U.S. Army Reserve; four will receive commissions as ensigns in the U.S. Navy, one in the U.S. Navy Reserve, and one in the U.S. Marine Corps; and two will be commissioned as second lieutenants in the U.S. Air Force.

Special course for correctional staff given by Berks

The Berks Campus has extended its associate degree program in community services, with emphasis in administration of justice, to correctional personnel of Graterford State Correctional Institution, Graterford, Pa.

This program will allow officers and staff members who work at the Graterford facility to obtain their college credits by attending classes held within the Institution. Classes will be scheduled so they can be accommodated either before or after a work shift.

Nearly 50 persons signed up for the first course according to Bill Solley, assistant professor of criminal justice, who travels to Graterford two days a week to teach the class, "Introduction to Law Enforcement and Corrections."

All of the 62 hours required for the two-year associate degree to be awarded from the Berks Campus will be taught at Graterford, Solley said.

The administration of justice program is designed to train and upgrade career and in-service personnel in police departments, probation and parole agencies, correctional institutions and district magistrate offices.

Candlelight dinner at HUB Mar. 14

The Hi-Los singing group will entertain at the St. Patrick's Day Candlelight Dinner at the HUB Terrace Room Thursday, March 14. The special entrees for the dinner will include corned beef and cabbage, baked ham, stuffed chicken breast, and flounder stuffed with crab meat. As always, there will be special decorations, and service is from 4:45 to 6:45 p.m.

Heart screening examinations scheduled

A Heart Risk Screening Program, designed to discover those individuals prone to coronary heart disease, will be conducted on the University Park Campus March 26 and 27 and April 23 and 24 for anyone wishing to take advantage of the opportunity to have a specialized examination. The program is being sponsored by the University through Continuing Education and the Central Pennsylvania Heart Association.

The program also includes assisting those found to be prone to heart disease to set up a health improvement program

through their physicians, to reduce the risk associated with factors that can be controlled.

While not restricted to faculty and staff members and their families, the heart screening examination is directed toward each person. A donation of \$3 is being asked from each person to help defray the high cost of the program, which is aided financially by the Association.

Each person will be screened for blood pressure, cholesterol, blood sugar, skin fold, height and weight, and additional information will be obtained concerning the

person's age, medical history, heredity, weight, smoking habits, and exercise, because each of these factors is said to be some indication of whether a person is prone to heart disease.

The examinations will be given from 9 a.m. to 12 noon and 1 to 5 p.m. on each of the scheduled days, in Room 301 Agricultural Administration Building.

Similar screening programs have been carried out in the area for several years, with considerable success and significant public acceptance of the benefits from the program.

described by the guides. Visitors to the campus find it especially interesting.

BERKS ENVIRONMENT SERIES

A month-long seminar during March was launched last week by the Berks Campus Continuing Education office centering on the subject of "Energy and its Impact on Man's Environment," with evening sessions scheduled each Thursday and with three Saturday field trips. The sessions are being held at the Noble Forest State Park Environmental Education Center, near Reading. Dr. Richard D. Schein, director of the University's Environmental Quality Programs, was the first speaker, on Feb. 28, discussing "Energy Production vs. Ecology."

COLLECTION GIVEN

The manuscripts, proofs and copies of the books of Bernard Gilbert Guernsey, publisher and translator of Russian literature, were officially presented to the University Libraries by him Feb. 27 on the occasion of his 79th birthday. The collection is on display in the Rare Books Room in Patten Library. Guernsey, born in the Ukraine, came to the U.S. when he was ten; and at the age of 22 he published his first short story. Later he translated such authors as Gorki and Pasternak, and he edited a number of other works. He founded the Blue Faun Book Shop in 1922, in New York. He has donated his entire collection, including the display materials, to the Patten Library Slavic Collection, which is now the sixth largest Slavic Collection in the U.S., with some 50,000 volumes.

ENGINEERING AWARD

A graduate student in aerospace engineering, Basile Robbins, of Bloomsburg, has won a national student paper award of the American Institute of Aeronautics and Astronautics. His paper, on "Turbulence

Induced Noise in Turbomachinery," received the top award in the AIAA competition's graduate division. He received a plaque, a \$500 cash award, and an expense-paid trip to the International Astronautical Federation Congress in Amsterdam, to represent the U.S. in competition for an International award. His research was carried out in the Applied Research Laboratory for a master's thesis, supervised by Dr. Budugar Lakshminarayana.

METEOROLOGY AWARDS

Two current students in meteorology and one who is a recent graduate received 1974 national awards of the American Meteorological Society. Last year, two other Penn State students were AMS winners, so that five out of the last eight student award winners have been from the University. This year's awards went to John A. Tolth, senior from Throop, Pa.; Daniel Koyser, junior from Elkins Park; and David B. Gilhousen, of Hastings-on-Hudson, N.Y., a 1973 graduate who won an award for a paper he wrote while an undergraduate. Tolth received the 1974 Howard T. Orville Scholarship, given for academic excellence and achievement. Koyser was given the Howard W. Hanks, Jr. Scholarship for scholastic achievement.

FIRST POLYMER DEGREE

The bachelor of science degree in polymer science will be conferred for the first time at Penn State Saturday to John S. Trent, of Pittsburgh. He was a ceramic science major when the program was initiated two years ago and transferred into the new program. The first freshman entered the program last September. Trent, who held the Educational Opportunity Program Scholarship, won the 1973 Alan R. Davidson Memorial Award. He worked part time as a laboratory technician.

News in brief

BALLET COMPANY

The Pennsylvania Ballet Company, including 32 dancers and musicians of the Pennsylvania Orchestra, will be in residence on the University Park Campus July 23-August 18, made possible by grants from the National Endowment for the Arts, Pennsylvania Council on the Arts, and the Penn State Foundation.

In addition to performances by the Company and Orchestra, the visitors will be involved in open lecture-demonstrations, concerts, and a ballet study program. Two world-premiere dances will be performed.

A Distinguished Alumna of the University, Barbara Welsberger, is the artistic director of the Pennsylvania Ballet.

During the period, fifty advanced-level ballet students, selected from across the nation, will participate in intensive study.

NEW COURSE

A new and unique course, "Seminar in the History of the Olympic Games," will be offered during the Spring Term as Ph. Ed. 550 by the College of Health, Physical Education and Recreation.

Dr. John A. Lucas, professor of physical education, will teach the course, the first of its kind in North America. He has done extensive research on the Olympic Games for 15 years and has attended five games.

The class will meet Tuesdays and Thursdays at the 14th period.

LONDON BUS

This week the University's "London Bus" tour resumed a Monday-Friday schedule. The bus, with a tour guide on each run, leaves from the HUB at 12:45 p.m. in a 30-minute tour of the campus, most of the significant features of the campus are



Mozart's "Cool Fan Tutte" on Artists Series.

Artists Series

Mozart's romantic comedy in opera, "Così Fan Tutte," will be performed by the Canadian Opera Co. Saturday, March 16, at 3 p.m. and at 8:30 p.m. in Schwab Auditorium.

Tickets for both performances are on sale at the HUB today, Friday, and, if any remain, Saturday morning.

The opera, which has a full title of "Così Fan Tutte, Ossia La Scoula Degli Amanti," was among Mozart's last operas. It was not well received in Vienna during Mozart's lifetime, where it premiered in 1790, although it did subsequently attain acceptance in other European cities shortly thereafter. Beethoven thought Mozart had wasted his time on a trivial opera with immoral tones. Although performed in London in the 1820s, it was not until 1922 that it was performed in this country.

The Canadian Opera Co., which did "The Barber of Seville" at Penn State in 1970, was formed 20 years ago and started touring in 1958. Its tours through the United States now cover 15,000 miles a year. Dr. Herman Geiger-Torel has been general director since 1958, he had directed in South America for 12 years and before that in European countries before taking the Canadian post.

Two casts will perform the opera here, with orchestra that travels with the singers. John Fenwick is music director and conductor.

Leaves

Dr. William T. Sanders, professor of anthropology, Sept. 1 to Feb. 28, 1975, to write a synthesis volume to the major archaeological research in the Valley of Teotihuacan, Mexico. He will also assist the Instituto Nacional de Antropología e Historia in the organization and expediting of a seminar in advanced training of the Instituto's field archeological staff.

Dr. Elton Altwater, professor of political science, Fall and Winter Terms, to work on a book dealing with the economic, social and decolonization programs of the United Nations.

Dr. Edward D. Bellis, professor of biology, for six months, beginning March 1, to study the ecology and behavior of roe deer in the Highlands of Scotland.

S. Leonard Rubinstein, professor of English, Spring and Summer Terms, 1975, to work on a novel.

Dr. John D. McAulay, professor of education, Sept. 2 to March 2, 1975, to serve as a consultant with the educational faculty of the University of Rhodesia and assist in lecturing and tutorial work.

Deaths

Robert Moffat Fleming, who held the special title of Professorial Lecturer in Mining Engineering from 1950 to 1963, died Feb. 24 at the age of 80. A 1917 Penn State graduate, with a master's degree from Columbia University School of Mines in 1926, he was manager of the Ebsenbugh Coal Co. of Colver (Cambria Co.) from 1929 to 1949 before joining the faculty. For many years he published a monthly article for the magazine, "Mechanization."

JGE winter issue published

The Winter issue of the Journal of General Education, edited by Dr. Henry W. Sams and published by the University Press, contains a Calhoun's index of the Journal articles published since 1946, when it was founded. Dr. John B. Smith, assistant professor of English, compiled the index.

Dr. Thomas F. Magner, professor of Slavic languages and associate dean for research and graduate studies of the College of the Liberal Arts, contributed an article, "The Rise and Fall of the Ethics," and Deborah Austin, professor of English, composed the poem, "Cyclops," for this issue.

The lead article is "Living and Learning in College," by S. Stewart Gordon, executive vice president for planning of SUNY at Binghamton; he is also a member of the JGE Board of Editors.

Robert Hoffman, author of "Language, Minds, and Knowledge" and member of the editorial board of "Philosophia," has contributed the article, "Reflections of an Epistémologist." The reflections are concerned

Orlton E. Dolson, Instructor in General Engineering at New Kensington Campus from 1958 to 1969, when he retired, died Feb. 19. He was a graduate of the University of Toledo, with an A.B. degree in chemistry, he also attended the University of Pittsburgh in 1948-49 for programs in physics and mathematics. He was an instructor in technical institute programs in Pittsburgh in the early 'fifties, then became senior draftsman for the P. F. Loftus Co., Inc., in charge of electrical drafting and design. At other points in his career he was with Westinghouse Electric Corp. and Owens-Illinois Glass Co.

with certain shibboleths about college education, and (oversimplified, perhaps) his attitude might be summed up in his statement, "Their (the students') business, according to the language in the activities set for them so that they may be initiated into a distinctive form of life—Intellectual life. The relationship between teachers and students is hierarchical and strictly tutorial." "Confessions of an Honors Graduate" has a special meaning here since it was written by Donald L. Shanks, who was graduated with honors from Penn State in General Arts and Sciences last June.

Other articles are by F. Champion Ward, Ford Foundation; Nancy G. Westerfield, Kearney State College, Neb. Books reviewed are "Minor Cures in New England" by Gal. Thain Parker, revised by Dr. Charles N. Coker, "With the Darwins' Children," by David J. Garm, reviewed by John Balaban.

Members of the Penn State faculty may receive JGE at special rates. Inquiries should be made to the University Press, Room 215 Wagner.

Women's swim championships

Penn State's Natatorium will get its first major test as a championship swim facility when the National Swimming and Diving Championships of the Association for Intercollegiate Athletics for Women (AIAW) will be held here March 14, 15 and 16.

Featuring among the 500 entrants from colleges all over the country such Olympic team members as Cathy Carr, Karen Moe, Dana Schoenfeld, Ann Simmons, and Jennifer Bartz, the meet will have a heavy schedule of events all three days.

Tickets are now available at the Recreation Building box office (Room 236).

A single ticket for all sessions is \$36.00; for Thursday or Friday (all day), \$20.00; and for Saturday morning and afternoon \$2.00 and Saturday evening, \$2.00. Thus, an all-events ticket saved \$2.00 over the price of the individual tickets combined.

The AIAW banquet at the Elks Country Club on Thursday, March 14, will feature a special appearance by Don Dowd, the ABC television network commentator and former Olympic swimming gold medalist. Tickets for the banquet cost \$5.25.

Staff vacancies

University faculty or staff members who are interested in any of the staff opening or staff non-exempt jobs listed below may apply by calling Employment Division, 101-2000 (Ext. 155-1870). Do not contact the area having the vacancy. Applications will be accepted until:

5 P.M., Thursday, March 21, 1974

SENIOR PROGRAMMER, BUDGET AND PLANNING — UNIVERSITY PARK
Responsible for preparing procedures and specifications of the project schedule. Participate in project organization and scheduling. Bachelor's degree or equivalent plus three to four years of effective experience in programming.

PROGRAMMER — HERSEY MEDICAL CENTER
Responsible for analyzing the requirements of various systems and will be given priority of computer programs to fulfill these requirements. Bachelor's degree or equivalent with knowledge of third generation computers and programming plus one to two years of effective experience in computer programming or equivalent in Data Processing plus two to four years of effective experience.

ACCOUNTING TRAINEE, CONTROLLER'S OFFICE — UNIVERSITY PARK
Responsible for training on a rotation basis in a variety of operations which fall under the direction of the Controller. Bachelor's degree in Accounting or equivalent and over three months of effective experience.

For more information and application forms contact Ms. Victoria Fern, program specialist, Visual Arts Program, NEA, Washington, O.C. 20506 (202)392-7958 (Rel. CFDA 45-009).

(119-4) The Division of Public Programs, National Endowment for the Humanities (NEH) Film/TV Grant Program is desirous to encourage and support production of high quality films for nationwide broadcast and distribution. Films must entail the use of knowledge from humanistic fields such as history, biology, business, economics, linguistics, and literature. Films should be of major educational substance and attractive to adults. Proposals which focus on material central to the humanities will be given priority. Major production or series proposals usually proceed through a Development Grant phase to finance the research and writing of a script. Development grants have a July 1, 1974 deadline (see List 1, 1974-1975). The next deadline for Film/TV Grants is June 1, 1974 (Oct. 15, 1975) next. Contact: Jeanne Mulcahy, assistant director, Div. of Public Programs, Film/TV Grant Program, NEH, 605 15th St., N.W., Washington, O.C. 20506 (202)382-5537.

(119-5) The U.S. Department of Labor supports Manpower, Research and Development Projects that are aimed at new ideas and improved techniques. These projects should be designed to demonstrate the effectiveness of specialized methods in meeting manpower, employment, and training problems of particularly disadvantaged work groups. Grants overall average about \$30,000 with research grants averaging somewhat less than demonstration grants. There are no firm deadlines. Proposal review time runs between 60 and 90 days. For information, contact Office of Research and Development, U.S. Dept. of Labor, Washington, O.C. 20210 (202)961-4176. Rel. CFDA 17-233.

(119-6) An Index to the Monthly Report of the Office of Federal Personnel Management (OFPM) is available. The indexing system began with Report 17 (July 1973) and the index which is available through Report No. 22 (Jan. 1974). For information, call M. R. Kohler, 665-1372.

Calendar March 7-17, 1974

SPECIAL EVENTS
Saturday, March 9 — Winter Term Commencement, 10:30 a.m., Rec Hall. Graduation exercises for ROTC. Graduates, 8:30 a.m. HUB assembly room. Donald R. Ford, dean, College of Human Development, speaker.

Monday-Wednesday, March 11-14 — ROTC orientation, advising, and registration.

Thursday, March 14 — Spring Term classes begin, 8 a.m.

Friday, March 15 — Vocal recital by Gwynne Davey, 8:30 p.m., Music Bldg. recital hall.

Friday, March 15 — GSA orientation 8:30 p.m., Room 102 Kern.

Saturday, March 16 — Artists Series, Canadian Opera Company, 3 and 8:30 p.m., Schwab.

Saturday, March 16 — Folklore Society concert, "The Stuarts," 8 p.m., Room 102 Kern.

Sunday, March 17 — Recital by Beth Shaw, flute, and Russel Shipley, 8:30 p.m., Music Bldg. recital hall.

LECTURE
Friday, March 15 — Gretchen Walker, Alaska Women's Health Collective, 7 p.m., Room 220 Loucke, sponsored by Women's Literature.

FILM
Saturday, March 16 — Free-U Children's film, "Big Red," 12:30 and 2 p.m., HUB assembly room.

SEMINAR
Monday, March 11 — Computer Science, 4 p.m., Room 101 Altitude. Richard J. Fennell, Carnegie-Mellon University, the "System Organization for Speech Understanding." Hearsay II.

Art ed exhibit

An Art Education Alumni Exhibit, featuring the works of several members of the faculty of the art education department along with those of more than 10 alumni now teaching art throughout Eastern U.S., will be on display in the Chambers Gallery from March 11 through March 29.

The exhibit is a feature of the 50th Anniversary Celebration of the College Education.

Faculty members taking part in the exhibit include Dr. Kenneth Bellitt, Mr. Chomicki, Dr. Robert Ott, and Dr. Hal Hoffa, department chairman.

Gallery hours are 9 a.m.-5 p.m., Monday through Friday, 9 a.m. to noon, Saturday.

Funding Opportunities

Instruction—Research—Continuing Education—Fellowships

For more information, call 865-1372.

March 7, 1974

(119-1) Science students aged 15 to 21 years who would like to experience leading scientists in developing countries can apply to NEH's Exploration Scholarship Program. Sponsored jointly by the Educational Expedition International of Belmont, Mass., and the Office of Education's Gifted and Talented Program, the exploration program will give students the opportunity to study archaeology, astronomy, ecology, geology, and the marine sciences. They will be instructed in the use of field instruments, tools and equipment, surveying and mapping, collecting, sampling, observation, excavation, photography, and documentation. Winners will be selected on the basis of demonstrated competence and potential for careers in the various scientific fields. Evidence of good health, physical prowess, recommendations by community leaders, and an essay will also be used to judge competitors. Deadline for submission of applications is March 15; apply to Norlette Gifford, State Dept. of Education, P.O. Box 911, Harrisburg, Pa. 17126. (717)787-8474. (Con-

tinued on page 15)

(119-2) The Division of Research Grants, National Endowment for the Humanities (NEH) considers applications for research grants that contribute to the understanding of the humanities. Interpretive writing in the humanities is also supported. Projects bearing on major issues of contemporary public concern are of special interest. Are projects contributing to the American Revolution Bicentennial. Few grants exceed \$30,000. The next two deadlines are May 6 and Nov. 16, 1974. Early contact with the Division is encouraged through Dr. William R. Emerson, director, Division of Research Grants, NEH, 605 15th St., N.W., Washington, O.C. 20508 (202)382-5537. (Rel. CFDA 45-009).

(119-3) The National Endowment for the Arts (NEA) Photographer's Fellowship Program has been organized to advance the careers of photographers of exceptional talent and to help them purchase material for their work. This program is a portion of the NEA Visual Arts Program (Nov. 29 INTERCOM 2107-1). Fellowships are usually \$3,000. Applications must be postmarked by May 30, 1974.

AREA REPRESENTATIVE, CONTINUING EDUCATION —

BERKS CAMPUS AND DELAWARE COUNTY CAMPUS
Responsible for the functions of development, operation, and administration of Continuing Education programs and services within an assigned geographical district. Bachelor's degree or equivalent with two to three years of relevant experience in business, education, or administration.

PROGRAMMER, UNIVERSITY LIBRARIES — UNIVERSITY PARK
Responsible for the analysis, program design, coding, documentation, and other programming tasks required to develop a bibliographic data base for operational systems supporting online access to the library's holdings. Computer Science or related field, plus one to two years of effective experience in bibliographic data base design of an operational system supporting online access, and development of programs for processing nonproprietary information based upon the Library of Congress standards.

In addition to the above vacancies, certain positions frequently are available because of the number of employees in them. They are listed below and are not to be listed on a Individual basis. Application may be made at any time. We are welcome to make your interests known now to the Employment Office for future consideration.

Staff Nurses, Licensed Practical Nurses, Radiology Technicians, Junior Research Technicians, Research Technicians, Medical Technologists, all of Health Services.

Applications for staff vacancies are considered without regard to race, sex, creed, sex, or national origin.

ing problems of particularly disadvantaged work groups. Grants overall average about \$30,000 with research grants averaging somewhat less than demonstration grants. There are no firm deadlines. Proposal review time runs between 60 and 90 days. For information, contact Office of Research and Development, U.S. Dept. of Labor, Washington, O.C. 20210 (202)961-4176. Rel. CFDA 17-233.

(119-6) An Index to the Monthly Report of the Office of Federal Personnel Management (OFPM) is available. The indexing system began with Report 17 (July 1973) and the index which is available through Report No. 22 (Jan. 1974). For information, call M. R. Kohler, 665-1372.

(119-7) NEH Faculty Fellowships (Feb. 7-1974 COM 115-2). April 8 for NSF Developmental Research on Technology Utilized by Local Communities (Feb. 7 INTERCOM 2115-2). April 15 for NEH Museum Programs' Exhibition and Continuing Education Grants (Sept. 13 INTERCOM 217-1). April 15 for OE Ethnic Heritage Studies Program (Feb. 28 INTERCOM 2118-2).

PENN STATE intercom

Volume 3, Number 26

March 14, 1974

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

Many interested groups invited to participate

Senate to hold collective bargaining session April 2

Collective bargaining will be discussed at the April 2 meeting of the University Faculty Senate.

Dr. Ernest L. Bergman, Senate chairman, announced at the March 5 meeting that the Senate Council voted to hold a forensic session on collective bargaining.

Interested groups, including the American Association of University Professors, Open Options, Pennsylvania State University Professional Association, and the Graduate Student Association, have been invited to take part in the April 12 session.

In action at the last meeting, the Sen-

ate, after a lengthy discussion, rejected most of the recommendations of the Subcommittee on Student Evaluations.

The Senate passed an amended proposal which establishes a permanent subcommittee to be responsible for developing comprehensive policy statements on evaluation of courses, programs and instructors. The subcommittee also would monitor and review continuously such policy statements and their implementation.

In other action, the Senate returned to committee proposed guidelines for stu-

dent participation in academic affairs and approved the following:

—Criteria to be used by the Senate Committee on Curricular Affairs for undergraduate program review.

—Continuation of the program of experimental courses for another three years.

—Clarification of a rule concerning use of remedial work at other institutions for reinstatement at Penn State.

—Modified reinstatement guidelines for veterans.

—A rule change involving election of Senate officers.

To aid Commonwealth Campus instruction program

Nominations sought for new associate dean position

Dr. Robert G. Quinn, Dean of Academic Instruction for Commonwealth Campuses, has appointed an advisory search committee to assist him in appointing an individual to the newly established position of Associate Dean of Academic Instruction for Commonwealth Campuses, effective July 1, 1974.

The advisory search committee is chaired by Dr. Eugene R. Skaski, assistant professor of history (Allentown).

Other committee members are Willard W. Gregory, associate professor of chemistry (Mont Alto); Arthur J. Marsicano, assistant

professor of engineering (Schuylkill); Dr. Jacqueline G. Wells, assistant professor of mathematics (McKeesport); Dr. Guy E. Rindone, chairman of Ceramic Science Section and chairman of Intra-University Relations Committee; Dr. James D. Gallagher, assistant dean for Commonwealth Campus Programs, College of Health, Physical Education, and Recreation; Dr. Jacqueline Schoch, assistant director for Resident Instruction (DuBois); Dr. David H. Stewart, head of department of English; and a representative of the Council of Presidents, the federation of presidents of Student Govern-

ment Associations at the Commonwealth Campuses.

The advisory search committee is to identify qualified candidates who have experience within or related to the Commonwealth Campus system. Nominees should recognize that the position requires full time residency at University Park. The committee will receive suggestions and nominations from sources within the University.

These should be forwarded to Dr. Eugene R. Skaski, 205 Old Main Building, University Park, Pennsylvania 16802, no later than April 15, 1974.

Among features, film on Fred Hampton

Colloquy program on politics, justice

In addition to lectures by four people in the news, a video-tape film, "The Murder of Fred Hampton," will be a feature of the Colloquy week-long program on "Politics and Justice," March 18-22.

The film, to be shown at 8 p.m. in the HUB main lounge, will be followed by a discussion on "Perspectives on Justice: Black and White," with Dr. Herbert Jacobs, professor of political science, Northwestern University; Dr. James Eisenstein and Dr. Robert O'Connor, of the political science department at Penn State; and Roy Austin, sociology.

The tape film, which will be shown throughout the week as a feature of the new Video Tape Network (described elsewhere in this issue), is a documentary about Black Panther Fred Hampton, with films of him before his death in Chicago and the investigation which followed. It won acclaim at the Cannes Film Festival.

The lectures in the Colloquy series, all open to the public, and all beginning at 8 p.m., are by U.S. Rep. Paul McCloskey (R. of California) on Monday, March 18 in Schwab Auditorium; Victor Gold, columnist, Tuesday, March 19 in Room 112 Kern; Robin Morgan, feminist editor, Thursday, March 21, in the HUB ballroom; and Daniel Ellsberg, Friday, March 22, in Rec Hall.

Governor signs retirement bill

Governor Milton S. Shapp, on Friday, March 1, signed into law Act 31 of the 1974 Pennsylvania Legislature, and the provisions of the act became effective on that date. This is legislation which was described as Senate Bill 472 in the February 14 issue of INTERCOM. The new act provides for

changes in the State Employees Retirement System, affecting most University staff members. Some provisions of the act will require some clarification and State officials plan on providing more information on the act in the near future. The Employee Benefits Division will make this information available.

Calendar Mar. 14-24, 1974

(Note: The following items are in addition to those listed on the Spring Term calendar in this issue.)

Lectures

Monday, March 18 — Douglas Way, Harvard University, on aerial photography, 12:30 p.m., Room 115 Electrical Engineering West, sponsored by department of landscape architecture.

Tuesday, March 19 — Speech Science Lecture, Dr. C. A. Wood, physiologists, University of Arizona, on "Objective Measures of Normal Voice," 7:30 p.m., Room 271 Willard.

Wednesday, March 20 — S&H Environmental and Energy Policy Lecture, Joseph Brennan, National Coal Association, on "The Future of Coal as an Energy Source with Special Attention to Environmental Concern," 8 p.m., Room 112 Kern.

Special Events

Tuesday, March 19 — First of five Lenten Services, Helen Eakin Eisenhower Chapel, 12 noon and 12:35 p.m., The Rev. Mac Sadoris, on "The Self at Crossroads."

Seminars

Thursday, March 14 — Urban Transportation and Air Pollution Control, 2:20 p.m., Room 112 Kern, Thomas Larson, civil engineering and head, Pennsylvania Transportation Institute, on "Overview: Forces Which Are Changing Urban Transportation."

Thursday, March 14 — Chemistry, 12:45 p.m., Room 310 Whitmore. Ronald J. Gillespie, McMaster University, on "The Preparation and Structures of New Polyatomic Cations of Sulfur, Selenium, Tellurium, and Mercury."

Thursday, March 14 — Remote Sensing, 1 p.m., Room 225 EE West. Seon J. Chung on "Introduction to GIS: Aircraft Digital Data for Earth Resources Analysis."

Thursday, March 14 — Agronomy, 3:30 p.m., Room 301B Ag. Adm. J. Hook on "Effects of Site and Management on Nitrogen Movement in Land Disposal of Sewage Effluent."

Friday, March 15 — Individual and Family Studies, 7:30 p.m., Room S200 Human Development. Dr. Alfred M. Baldwin and Dr. Clare P. Baldwin, Cornell University, on "An Empirical Study of Mother-Child Interaction."

Monday, March 18 — Inter-Science, 4 p.m., Room 310 VHS. Dr. Frank W. Putnam, Indiana University, on "Structure and Genetic Control of Human Immunoglobulins."

Monday, March 18 — Analytical Chemistry, 1 p.m., Room 333 Whitmore. Scheduling meeting.

Monday, March 18 — Computer Science, 4 p.m., Room 101 Altohouse. Joel Seiferas, MIT, on "Refining Some Time and Space Complexity Hierarchies."

Monday, March 18 — Computation Center, 7:30 p.m., Room 100 Osmond. Hardware/Basic OS Concepts (1), Introductory Programming.

Monday, March 18 — New Communities, 2 p.m., Room 322 Sackett. Evan Clinchy, President, Education Planning Associates, Inc., on "Innovations in Educational Systems in New Communities."

Monday, March 18 — Entomology, 3:50 p.m., Room 204 Patterson. Jay Ellenberger on "The Distribution of Egg Masses of the Oak Leafroller, *Archips semiferus*, on its Primary Host Trees."

Tuesday, March 19 — Genetics, 3:55 p.m., Room 111 Tyson. Charles Boyer, horticulture, on "Morphological and Chemical Characterization of Mutant Starch Granules from Developing Endosperms of Zea Mays L."

Tuesday, March 19 — Speech Science, 7:30 p.m., Room 271 Willard.

(Continued on page four)

News in brief

LENTEN SERVICES

A series of Tuesday noon Lenten Meditation Services will be held, beginning March 19 in the Helen Eakin Eisenhower Chapel. Two services will be held each Tuesday, at 12 noon and at 12:35 p.m.

The service March 19 will be led by the Rev. Mac Sadoris, who will speak on "The Self at the Crossroads." Other services will be conducted by the Rev. Don Davis, the Rev. Irgart Soltan, the Rev. Bob Boyer, and the Rev. Ned Weller.

Ray M. Martin, administrative assistant in the sociology department, will be organizer for all the services.

BLACK LEADER

Dr. Eugene D. Levy, associate professor of history at Carnegie-Mellon University and author of the book "James Weldon Johnson," Black Leader, Black Voice," will discuss Johnson in a seminar Thursday, March 21, at 4 p.m. in the Rare Books Room of Pattee Library. The Black Cultural Center is sponsoring the seminar and a Smithsonian Institution exhibition concerned with Johnson's life and works, to be displayed at the Center until April 9. Johnson, born in 1871, became a lawyer, politician, poet and diplomat.

CROP FAST

A 30-hour fast for the hungry of the world is being sponsored by United Campus Ministry and CROP, the Church World Service Hunger Appeal. The fast will be held in the Helen Eisenhower Chapel from March 29, to 6 p.m. March 30. Details and sponsor sheets will be available between 11 a.m. and 2 p.m. March 18-29 at a table in the HUB ballroom.

(Continued on page four)



Daniel Ellsberg



Robin Morgan

Spring Term 1974 Calendar

University Park Campus

The Pennsylvania State University

•Week of Mar. 11-17

Thursday, March 14

AIAW National Swimming and Diving Championships, Natorium.
Classes begin for Spring Term, 8 a.m.
Free-U jammy, 7:00 p.m., HUB ballroom.
USG film, "Ben," 6:15, 8:15, and 10:15 p.m., HUB assembly room.

Friday, March 15

Gwen Davey, voice recital, 8:30 p.m., Music Bldg. recital hall.
Women's Liberation, 7 p.m., Room 220 Boucke Gretchen Walker, Altoona Women's Health Collective.
USG film, "Ben," 6:15, 8:15 and 10:15 p.m., HUB assembly room.
GSA Orientation School, 8:30 p.m., Room 102 Kern.
AIAW National Swimming and Diving Championships, Natorium.

Saturday, March 16

Artists Series, Canadian Opera Company, "Cosi Fan Tutte," 3 and 8:30 p.m., Schwab.
Free-U children's films, "Make Mine Music," 12:30 and 2 p.m., HUB assembly room.
USG film, "Ben," 6:15, 8:15 and 10:15 p.m., HUB assembly room.
Folklore Society Concert, "The Stuarts," 8 p.m., Room 112 Kern.
AIAW National Swimming and Diving Championships, Natorium.

Sunday, March 17

Rebecca Shaw, flute, and Russel Shipley, clarinet, 8:30 p.m., Music Bldg. recital hall.
IFC social event, 8 p.m., HUB ballroom.
Chapel Service, 11 a.m., Eisenhower Chapel.
Rev. Glenn E. Schuit, Co-Pastor St. John's United Church of Christ, Chambersburg, Pa.
Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

•Week of Mar. 18-24

Monday, March 18

Free-U registration, 7:30-10:30 p.m., HUB assembly room.
Daniel Ragone, piano recital, 8:30 p.m., Music Bldg. recital hall.
Colloquy lecture, U.S. Rep. Paul McCloskey, (R, of California), on "Current Politics in Washington," 8 p.m., Schwab.

Tuesday, March 19

Free-U registration, 10:30 a.m.-4 p.m., HUB assembly room.
Penn State Karate Club demonstration, 7:45 p.m., Room 106 White.
Colloquy lecture, Victor Gold, on "The Uses of Skepticism," 8 p.m., Room 112 Kern.
College of Agriculture faculty meeting, 4 p.m., Room 301 Agri. Adm.

Wednesday, March 20

Lecture — demonstration of the PLATO system, Donald L. Biltzer, U. of Illinois, 8 p.m., Room 102 Kern. Sponsored by Computation Center.
Smith Toulson, clarinet recital, 8:30 p.m., Music Bldg. recital hall.
Elot Porter, informal talk on his photography, 5 p.m., Zoller Gallery.
Commonplace Theatre, "Sands of Two Jims," 8 and 10 p.m., Room 112 Kern.
Noontime Concert, 12:15 p.m., lobby of Kern.
Colloquy film, "The Murder of Fred Hampton," 8 p.m., HUB main lounge, followed by discussion.

Thursday, March 21

Labor Studies Club and USG Dept. of Labor, 10:30 a.m., HUB assembly room, films; noon to 3 p.m., HUB ballroom, workshops; 3:30 p.m. talk by Michael Johnson, Penna AFL-CIO, HUB ballroom.
USG films, "What Do You Say to a Naked Lady?" 6:30, 8:15 and 10 p.m., HUB assembly room.
Colloquy lecture, Robin Morgan, feminist editor, on "Feminist Tactics," 8 p.m., HUB ballroom.
College of Engineering faculty meeting, 4 p.m., Room 26 Min. Sci.

Friday, March 22

Army ROTC Dinner-Dance, 7 p.m., Elks Country Club.
Folk and Square Dance Roundup, 7:30 p.m., North Gym, White.
Commonplace Coffeehouse, 8 p.m., Room 102 Kern.
USG films, "What Do You Say to a Naked Lady?" 6:30, 8:15 and 10 p.m., HUB assembly room.
Colloquy lecture, Daniel Ellsberg, 8 p.m., Rec Hall, on "The Pentagon Papers and Beyond."

Saturday, March 23

Artists Series, Alvin Ailey City Center Dance Theatre, 8:30 p.m., Rec Hall.
Free-U children's films, "Make Mine Music," 12:30 and 2 p.m., HUB assembly room.
USG films, "What Do You Say to a Naked Lady?" 6:30, 8:15 and 10 p.m., HUB assembly room.

Sunday, March 24

Erin Headley, cello recital, 3:30 p.m., Room 112 Kern.
Chapel Service, 11 a.m., Eisenhower Chapel.
Rev. Richard R. Hicks, United Ministries in Higher Education, Richmond, Virginia.
Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

•Week of Mar. 25-31

Monday, March 25

Yasuko Koya Ohmoto, organ recital, 8:30 p.m., Music Bldg. recital hall.
Deadline for adding courses.

Tuesday, March 26

GSA resume and vita workshop, 7:30 p.m., Room 101 Kern.

Wednesday, March 27

Commonplace Theatre, "The Treasure of Sierra Madre," 8 and 10 p.m., Room 112 Kern.
Noontime Concert, 12:15 p.m., Lobby of Kern.

Thursday, March 28

Eco-Action, Student Environmental Conference.
Nutrition Workshop on Mothers and Babies, 8 p.m., Room 101 Kern.

Friday, March 29

P.S.U. Symphony Orchestra, 8:30 p.m., Schwab.
Eco-Action, Student Environmental Conference.
Commonplace Coffeehouse, 8 p.m., Room 102 Kern.
Penn State YMCA swimming championships, Natorium.

Saturday, March 30

Artists Series, Preservation Hall Jazz Band, 8:30 p.m., Rec Hall.
Eco-Action, Student Environmental Conference.
Sports: Men's lacrosse, 2 p.m., football practice field.
Penn State YMCA swimming championships, Natorium.

Sunday, March 31

Cheerleading squad tryouts, 5-11 p.m., HUB ballroom.
Sharon Brook, piano recital, 3:30 p.m., Music Bldg. recital hall.
Chapel Service, 11 a.m., Eisenhower Chapel.
Rev. Douglas Akers, The United Methodist Church, Dallas, Pa.
Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.



Preservation Hall Jazz Band, on Artists Series, March 30.

•Week of April 1-7

Monday, April 1

File for Pass-Fail.
File for Repeat Course.

Tuesday, April 2

College of Business Administration faculty meeting, 10 a.m., Room 201 Business Administration Bldg.
File for Pass-Fail.
File for Repeat Course.

Wednesday, April 3

Five O'Clock Theatre, "What If," and "Bivalue," 5:20 p.m., Pavilion Theatre.
Sports: Men's Golf, vs. Villanova, 1 p.m.; Men's Lacrosse, vs. Pennsylvania, 3 p.m.
Artists Series, Films of Bunuel, "The Discreet Charm of the Bourgeoisie," 8:30 p.m., Schwab.
Gregory Donovetsky, oboe recital, 8:30 p.m., Music Bldg. recital hall.
Commonplace Theatre, "The Producers," 8 and 10 p.m., Room 112 Kern.
Noontime Concert, 12:15 p.m., Lobby of Kern.
Deadline for dropping courses.
File for Pass-Fail.
File for Repeat Course.
Preregistration deadline.

Thursday, April 4

Gregory Donovetsky, oboe recital, 8:30 p.m., Music Bldg. recital hall.
Five O'Clock Theatre, "What If," and "Bivalue," 5:20 p.m., Pavilion Theatre.
Sports: Men's tennis, vs. Georgetown, 3 p.m.
College of Arts and Architecture, faculty meeting 5 p.m., Room 122 Music Bldg.
USG film, "Alice's Restaurant," 6:15, 8:20 and 10:30 p.m., HUB assembly room.
Nutrition Workshops on Obesity, 8 p.m., Room 101 Kern.

Friday, April 5

Alad String Quartet, 8:30 p.m., Music Bldg. recital hall.
Five O'Clock Theatre, "What If," and "Bivalue," 7:20 p.m., Pavilion Theatre.
USG film, "Alice's Restaurant," 6:15, 8:20 and 10:30 p.m., HUB assembly room.
University Readers performance, 8 p.m., Room 112 Kern.
Commonplace Coffeehouse, 8 p.m., Room 102 Kern.

Saturday, April 6

Free-U children's film, "Charlie, the Lonesome Cougar," 12:30 and 2 p.m., HUB assembly room.
Penn State Singers concert, 8:30 p.m., Schwab.
Sports: Men's golf, vs. Navy-Columbia, 1 p.m.; Men's track, vs. Villanova. Women's lacrosse, vs. Frostburg, 1 p.m.; Women's tennis, vs. Wilson, 10 a.m.
USG film, "Alice's Restaurant," 6:15, 8:20 and 10:30 p.m., HUB assembly room.

Sunday, April 7

Claremont Wind Quintet, 3:30 p.m., Music Bldg. recital hall.
IFC social event, 8-10:30 p.m., HUB ballroom.
Sports: Men's baseball, vs. Ithaca, 1 p.m.
Artists Series, Chekhov's "Uncle Vanya," film, 8:30 p.m., Schwab.
University Readers performance, 8 p.m., Room 112 Kern.
Graduate Commons Improvisational Theatre, 8 p.m., Room 112 Kern.
Chapel Service, 11 a.m., Eisenhower Chapel.
Donald M. Corder, Religious Studies
Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

•Week of April 8-14

Monday, April 8

Sports: Women's lacrosse, vs. Hartwick, 2 p.m.; Graduate Commons Improvisational Theatre, 8 p.m., Room 112 Kern.
College of Health, Physical Education and Recreation faculty meeting, 7 p.m., Room 103 White.

Tuesday, April 9

Sports: Men's lacrosse, vs. Franklin and Marshall, 8 p.m.; Men's tennis, vs. Columbia, 3 p.m.
"The Art of Light," by Gerald Ewing, 8 p.m., Schwab.
GSA Workshop on Vegetable Gardening, 7:30 p.m., Room 112 Kern.

Wednesday, April 10

Musica da Camera, 8:30 p.m., Music Bldg. recital hall.
Five O'Clock Theatre, "Temple of Gold," 5:20 p.m., Pavilion Theatre.
Sports: Men's tennis, vs. Bucknell, 3 p.m.; "The Art of Light," by Gerald Ewing, 8 p.m., Schwab.
Commonplace Theatre, "David Copperfield," 8 and 10 p.m., Room 112 Kern.
Noontime Concert, 12:15 p.m., lobby of Kern.

Thursday, April 11

Five O'Clock Theatre, "Temple of Gold," 5:20 p.m., Pavilion Theatre.
Sports: Women's softball, vs. East Stroudsburg (scrimmage), 3 p.m.
USG film, "Three in the Cellar," 6:15, 8 and 10 p.m., HUB assembly room.
Japanese Dance Group, sponsored by Liberal Arts Subcommittee on Far East Affairs, 7:30 p.m., Room 112 Kern.

Friday, April 12

Campus 4-H Square Dance, 8 p.m., HUB ballroom.
Five O'Clock Theatre, "Temple of Gold," 7:20 p.m., Pavilion Theatre.
Commonplace Coffeehouse, 8 p.m., Room 102 Kern.
Folk and Square Dance Roundup, 7:30 p.m., North Gym, White.
USG film, "Three in the Cellar," 6:15, 8 and 10 p.m., HUB assembly room.

Saturday, April 13

Sports: Men's baseball, vs. Rutgers, 1 p.m.; Men's tennis, vs. Rochester, 2 p.m.; Nuttall Lion Track & Field Relays.
USG film, "Three in the Cellar," 6:15, 8 and 10 p.m., HUB assembly room.

Sunday, April 14

Chapel Service, 11 a.m., Music Bldg. recital hall.
Service of Music and Lessons by Chapel Choir.
Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

BEHREND COLLOQUIUM

Saturday, April 27 — Second Annual Colloquium in the History of Religion and Politics: Compatibility and Conflict in History, 9 a.m., Reed Union Bldg. Behrend College. All day.

•Week of April 15-21

Monday, April 15

Sports: Men's golf, vs. Georgetown, 1 p.m.

Tuesday, April 16

Bloomberg Baroque Ensemble, sponsored by French department, 8 p.m., Room 112 Kern.

Wednesday, April 17

Marilyn Grochowski, voice recital, 8:30 p.m., Music Bldg. recital hall.
University Theatre, student preview of "La Ronde," 8 p.m., Playhouse Theatre.
Noontime concert, 12:15 p.m., lobby of Kern.
Sports: Men's golf, vs. Lehigh, 1 p.m.
Commonplace Theatre, "African Queen," 8 and 10 p.m., Room 112 Kern.

Thursday, April 18

Sports: Men's baseball, vs. Gettysburg, 3 p.m.
College of Earth and Mineral Sciences faculty meeting, 4 p.m., Room 26 Min.Sci.
Naad Show, 8 p.m., Natonium

Friday, April 19

Artists Series, Christopher Parkening, guitarist, 8:30 p.m., Schwab.
University Theatre, "La Ronde," 8 p.m., Playhouse Theatre.
Commonplace Coffeehouse, 8 p.m., Room 102 Kern.
Naad Show, 8 p.m., Natonium.

Saturday, April 20

University Theatre, "La Ronde," 8 p.m., Playhouse Theatre.
Sports: Women's tennis, vs. Maryland, 2 p.m.
Naad Show, 8 p.m., Natonium

Sunday, April 21

Sports: Men's baseball, vs. George Washington, 1 p.m.; Men's tennis, vs. George Washington, 2 p.m.
Richard Jackman and Richard Brown, concert, 8 p.m., Room 112 Kern.
Chapel Service, 11 a.m., Music Bldg. recital hall.
Dr. King V. Cheek, president, Morgan State College, Baltimore.
Black Christian Fellowship worship service, 11 a.m., Black Cultural Center

•Week of April 22-28

Monday, April 22

Steven Smith, piano recital, 8:30 p.m., Music Bldg. recital hall.

Tuesday, April 23

University Theatre, "La Ronde," 8 p.m., Playhouse Theatre
Sports: Women's softball, vs. Lock Haven, 3:30 p.m.; Women's tennis, vs. Lock Haven, 3 p.m.
College of Liberal Arts faculty meeting, 3:55 p.m., Room 121 Sparks.

Wednesday, April 24

Alard String Quartet, 8:30 p.m., Music Bldg. recital hall.
University Theatre, "La Ronde," 8 p.m., Playhouse Theatre.
Commonplace Theatre, "On the Waterfront," 8 and 10 p.m., Room 112 Kern.
Subcommittee on East Asian Affairs, Lecture-demonstration on Japanese Ceramics, 8 p.m., Room 101 Kern.
Noontime concert, 12:15 p.m., lobby of Kern.

Thursday, April 25

University Theatre, "La Ronde," 8 p.m., Playhouse Theatre.
USG film, "Let It Be," 6:15, 8 and 10 p.m., HUB assembly room.
GSA Workshop on canning and preserving, 7:30 p.m., Room 112 Kern.
Penn State Aquatic Institute and Hall of Fame, Natonium.
Commonplace Coffeehouse, 8 p.m., Room 102 Kern.

Friday, April 26

Penn State Wind Ensemble, 8:30 p.m., Music Bldg. recital hall.
University Theatre, "La Ronde," 8 p.m., Playhouse Theatre.
Folk and Square Dance Roundup, 7:30-9 p.m., North Gym, White.
USG film, "Let It Be," 6:15, 8 and 10 p.m., HUB assembly room.
Penn State Aquatic Institute and Hall of Fame, Natonium.
Commonplace Coffeehouse, 8 p.m., Room 102 Kern.

Saturday, April 27

University Theatre, "La Ronde," 8 p.m., Playhouse Theatre
Sports: Men's lacrosse, vs. Rutgers, 8 p.m.; Women's softball, vs. SUNY-Cortland, 2 p.m.
USG film, "Let It Be," 6:15, 8 and 10 p.m., HUB assembly room.
Penn State Aquatic Institute, Hall of Fame and Men's/Women's Commonwealth Campus championships, Natonium, 2 p.m.

Sunday, April 28

Nancy Hadden, flute recital, 3:30 p.m., Music Bldg. recital hall.
Sports: Men's baseball, vs. Rider, 1 p.m.
Lee Ann Kennedy, pottery demonstration, 12 noon, lobby of Kern.
Friends of Idea Celebration, dinner, entertainment, films, 6 p.m., Rooms 102, 104 and 112 Kern.
Chapel Service, 11 a.m., Eisenhower Chapel.
Rev. Raymond Dibble, pastor, State College Christian and Missionary Alliance.
Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

•Week of Apr. 29-May 5

Monday, April 29

John Shannon, organ recital, 8:30 p.m., Music Bldg. recital hall.

Tuesday, April 30

Alpha Phi Omega Bloodmobile, 9 a.m.-5 p.m., HUB ballroom.
Sports: Women's lacrosse, vs. Millersville, 2:30 p.m.; Women's tennis, vs. East Stroudsburg, 3 p.m.

Wednesday, May 1

Alpha Phi Omega Bloodmobile, 9 a.m.-5 p.m., HUB ballroom.
Thelma Tro, 8:30 p.m., Music Bldg. recital hall.
University Theatre, student preview of "The House of Bernarda Alba," 8 p.m., Pavilion Theatre.
Commonplace Theatre, "Time Machine," 8 and 10 p.m., Room 112 Kern.
Noontime concert, 12:15 p.m., lobby of Kern.

Friday, May 3

Free-UY Jammy, 7:30-11:30 p.m., HUB ballroom.
University Theatre, "The House of Bernarda Alba," 8 p.m., Pavilion Theatre.
Sports: Men's lacrosse, vs. Lehigh, 8 p.m.
Commonplace Coffeehouse, 8 p.m., Room 102 Kern.

Saturday, May 4

Keystone Doll Meet, 8 a.m.-5 p.m., Ice Pavilion.
University Theatre, "The House of Bernarda Alba," 8 p.m., Pavilion Theatre.

Sunday, May 5

Marcus Chubbuck, piano recital, 3:30 p.m., Music Bldg. recital hall.
IFC social, 8 p.m., HUB ballroom.
German Club play, 8 p.m., Room 112 Kern.
Chapel Service, 11 a.m., Eisenhower Chapel.
Rabbi Theodore H. Gordon, Main Line Reform Temple, Beth Elohim, Wymannwood, Pa.
Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

EXHIBITS

KERN GALLERY:

Lee Ann and Dennis Kennedy, pottery, through March 31.
Jured Student photography prints, March 17-30.

MUSEUM OF ART

Charles Sheeler: "The Works on Paper, through March 24, Gallery A.
Selections from the Permanent Collection, through Mar. 31, Gallery C.
Eight Dublin National Print and Drawing Competition Exhibition, March 17-April 10, Gallery B.

Selections from the Permanent Collection, March 31-June 23, Gallery A.
Bill Hanson: Harvard Paintings, April 7-May 5.

Graphics by Six Swiss Sculptors, April 14-May 12, Gallery B.
Quilts, May 12-June 23, Gallery C

ZOLLER GALLERY

Eliot Porter, photography, March 13-23
BFA Show, March 25-29
Contemporary Chinese Paintings, March 31-April 13

MFA Show, April 15-May 3
Annual Jured Student Show, May 6-25.

HAMMOND GALLERY

Photo exhibit of the architecture of William Wurster, through March 24.

SACKETT GALLERY

Student Architecture Projects, March 13-29

CHAMBERS GALLERY

College of Education 50th Anniversary Exhibition, March 11-29
Children's Art Exhibition, March 30-April 19
Art Education Undergraduate Exhibition, April 20-May 10.
John Wahling, textiles, and Jenny Floch, ceramics, May 11-22.

•Week of May 6-12

Monday, May 6

First day for signing NDSL (National Direct Student Loans), SEOG (Supplemental Educational Opportunity Grants), BEOG (Basic Educational Opportunity Program), and University Long Term Loans for Summer Term.
Preregistration for Fall Term, for those not attending Summer Term.
Sports: Men's tennis, vs. Lehigh, 3:30 p.m.
College of Health, Physical Education and Recreation faculty meeting, 7 p.m., Room 109 White.

Tuesday, May 7

Preregistration for Fall Term, for those not attending Summer Term.
University Theatre, "The House of Bernarda Alba," 8 p.m., Pavilion Theatre.

Wednesday, May 8

Preregistration for Fall Term, for those not attending Summer Term.
University Theatre, "The House of Bernarda Alba," 8 p.m., Pavilion Theatre.
Sports: Men's lacrosse, vs. Cortland, 7 p.m.
Commonplace Theatre, "Roaring 20's" 8 and 10 p.m., Room 112 Kern.
Noontime Concert, 12:15 p.m., lobby of Kern.

Thursday, May 9

ROTC Awards Day, 4 p.m., Ice Pavilion.
University Theatre, "The House of Bernarda Alba," 8 p.m., Pavilion Theatre.
Preregistration for Fall Term, for those not attending Summer Term.
Grauate School — sponsored Thesis Workshop, 7:30 p.m., Room 101 Kern.

Friday, May 10

Free-UY Jammy, 7:30-11:30 p.m., HUB ballroom.
Last day for signing NDSL, SEOG, BEOG, and University Long Term Loans for Spring Term.
University Theatre, "The House of Bernarda Alba," 8 p.m., Pavilion Theatre.
Preregistration for Fall Term, for those not attending Summer Term.
Commonplace Coffeehouse, 8 p.m., Room 102 Kern.
Artists Series, The Pittsburgh Symphony Orchestra and University Chorus, 8:30 p.m., University Auditorium.

Saturday, May 11

Artists Series, The Pittsburgh Symphony Orchestra and University Chorus, 8:30 p.m., University Auditorium.
Model Railroad Club Annual Auction, 2 p.m., Room 203 HUB.
University Theatre, "The House of Bernarda Alba," 8 p.m., Pavilion Theatre.
Preregistration for Fall Term, for those not attending Summer Term.
Sports: Men's track, vs. Michigan Women's lacrosse, vs. Wilson, 1 p.m.

Sunday, May 12

Penn State Glee Club, 3:30 p.m., Schwab.
Sports: Men's baseball, vs. Colgate, 2 p.m.
Chapel Service, 11 a.m., Music Bldg. recital hall.
A Service of Music and Homily, the University Chapel Choir.
Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

•Week of May 13-19

Monday, May 13

Charles Metz, piano recital, 8:30 p.m., Music Bldg. recital hall.
Preregistration for Fall Term, for those not attending Summer Term.

Tuesday, May 14

Preregistration for Fall Term, for those not attending Summer Term.
College of Liberal Arts faculty meeting, 3:55 p.m., Room 121 Sparks.
College of Agriculture faculty meeting, 4 p.m., HUB assembly room.

Wednesday, May 15

Penn State Brass Chorus, 8:30 p.m., Music Bldg. recital hall.
Student preview of Jazz Dance Theatre in Concert, 8 p.m., Playhouse Theatre.
Preregistration for Fall Term, for those not attending Summer Term.
Sports: Men's baseball, vs. Indiana, Pa., 3 p.m.
Women's softball, vs. Ursinus, 3:30 p.m.
Noontime concert, 12:15 p.m., lobby of Kern.
College of Engineering faculty meeting, 4:30 p.m., Room 26 Min.Sci.

Thursday, May 16

Jazz Dance Theatre in Concert, 8 p.m., Playhouse.
Pre-registration for Fall Term for those not attending Summer Term.
Oliver LaGrone gallery talk and demonstration, noon, Kern Lobby.
College of Engineering faculty meeting, 4 p.m., Room 26 Min.Sci.



Jazz Dance Theatre, May 16-16, Playhouse

Friday, May 17

Teri Gemberling, piano recital, 8:30 p.m., Music Bldg. recital hall.
Jazz Dance Theatre in Concert, 8 p.m., Playhouse Theatre.
Folk and Square Dance Roundup, 7:30 p.m., North Gym, White.
Preregistration for Fall Term, for those not attending Summer Term.
Sports: Men's track, Penn State Open Invitational.
Commonplace Coffeehouse, 8 p.m., Room 102 Kern.

Saturday, May 18

Penn State Symphony Orchestra, 8:30 p.m., Schwab.
Jazz Dance Theatre in Concert, 8 p.m., Playhouse Theatre.
Preregistration for Fall Term, for those not attending Summer Term.
Sports: Men's baseball, vs. Mansfield, 1 p.m.

Sunday, May 19

P.S. Wind Ensemble Pop's Concert, 3 p.m., Arts Courtyard.
Chapel Service, 11 a.m., Eisenhower Chapel.
Rev. Hays Rockwell, Colgate-Rochester Divinity School, Rochester, N.Y.
Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

•Week of May 20-26

Monday, May 20

Paul Ferrone, piano recital, 8:30 p.m., Music Bldg. recital hall.
Preregistration for Fall Term, for those not attending Summer Term.

Tuesday, May 21

Composer's Concert, 8:30 p.m., Music Bldg. recital hall.
Preregistration for Fall Term, for those not attending Summer Term.

Wednesday, May 22

Last day for signing Emergency Loans for Spring Term.
Composer's Concert, 8:30 p.m., Music Bldg. recital hall.
Preregistration for Fall Term, for those not attending Summer Term.
Classes end, 12:25 p.m.

Thursday, May 23

Preregistration for Fall Term, for those not attending Summer Term.
Final examinations

Friday, May 24

Preregistration for Fall Term, for those not attending Summer Term.
Penn State Springboard and Tower Diving Clinic.
Final examinations.

Saturday, May 25

Penn State Springboard and Tower Diving Clinic.
Final examinations.

Sunday, May 26

Penn State Springboard and Tower Diving Clinic.

Saturday, June 1

Spring Term Commencement.

To make an appointment for the Heart Screening Examinations announced in last week's INTERCOM, call the Central Pennsylvania Heart Association of office, 238-1301. The exams, to be given March 26 and 27 and April 23 and 24 on the University Park campus, will provide information concerning the person's likelihood of developing coronary heart disease, based on a number of factors. These exams, while intended primarily for faculty and staff members and their families, will be given to anyone; a donation of \$3 per examination is asked.

"Getting Into College: Should Minority Groups Have a Better than Equal Chance?" is the subject of an hour-long "Advocate" special on the PBS network, airing on WPSX-TV, Channel 3. The "no" side maintains that quotas violate the fourteenth amendment to the Constitution, while the "yes" side argues that the quotas are necessary to correct the damage done by the 14th amendment in protecting the rights of the disadvantaged.

"Whales, Dolphins, and Men" is the subject of "Novel" Sunday, March 17, at 7:30 p.m. on PBS. The program is a documentary explores how whales and dolphins communicate with each other and how men are trying to communicate with them.

"The PBS Special of the Week" presents "The Whale" on the "Novel" Sunday of " " an hour-long documentary that looks at the first year of U.S. Army operation without a draft. Included is a comparison with the British system of raising voluntary army.

"The Curious Case of Vitamin E," a half-hour documentary about the medical and nutritional roles of vitamin E, is presented on "Today" on WPSX-TV, Channel 3 on WPSX-TV. Featured on the program are Adele Davis, well-known author and lecturer on nutrition and various physicians who discuss the pros and cons of vitamin E. Davis has even called the "wonder drug" of the 1970s.

(Continued from page one)

Thursday, March 21 — Black Cultural Center, 4 p.m., Rare Books Room, Pattee Library. Dr. Eugene D. Levy, Carnegie-Mellon University, on James Weldon Johnson.

Black Cultural Center — Smithsonian Travelling Exhibit on James Weldon Johnson, Black lawyer, politician, poet and diplomat. Continuing until April 9.

Sackett Gallery — Thirty student projects in beginning architecture course, continuing through March 29. Each Wednesday noon, discussions and demonstrations in gallery.

The H.U.B. Terrace Room has initiated daily menus for breakfast, lunch and dinner at prices aimed to keep both customers and caterers prices as low as possible. These reduced prices are: For the next week, the featured luncheon (all accompanied with baked ham, sliced turkey and beverages) are:

Monday, March 19 — dinner, broiled ham w/sauces and applesauce \$9.99, supper, Welsh rarebit w/str. beef \$11.99, lunch, grilled beef pattie \$9.99, beef w/noodles \$14.99.

Tuesday, March 20 — lunch, beef w/sauces and noodles \$10.99, dinner, franks and kraut \$9.99.

Wednesday, March 20 — lunch, meat platters w/bacon \$11.99, dinner, turkey ala king \$11.99.

Thursday, March 21 — lunch, beef w/sauces and noodles \$10.99, dinner, beef w/sauces and noodles \$11.99, hot beef sandwich \$11.49.

Friday, March 22 — lunch, egg cult/alm. soc. \$9.99, dinner, shrimp cocktail w/ macaroni & cheese \$11.99, shrimp \$13.99.

Mozart's popular romantic comedy opera, "Così Fan Tutte," will be performed by the talented Canadian Opera Co. twice on Saturday, March 16, at 3 p.m. and 8:30 p.m., in Schwab Auditorium.

"Così Fan Tutte" has become one of the standards for all opera companies because of its popularity, although it was not performed in this country until 1922, more than a century after it was composed.

The Opera company, which performed at

In conjunction with the exhibit of color photographic prints by Eliot Porter which will be on display until March 23 in the Zoller Gallery, the artist will hold an informal discussion of his work, some of which is done with the Sierra Club. The informal session will be held Wednesday, March 20, at 5 p.m. in the gallery, located in the Visual Arts Building.

Porter, a wildlife and nature photographer, has taken many color photographs, one of which, "In Wilderness is the Preservation of the World," gave the Sierra Club an international reputation.

The show has 60 photographs, 8 by 10-inch, obtained in Maine, Utah, Michigan, and other Eastern states.

Students majoring in music will give three recitals this weekend. Gwen Davey, M.F.A. candidate, will sing works by Handel, Buxtehude, Schumann, and Dvorak in a recital Friday, March 15, at 8:30 p.m.

Rebecca Ann Shaw, flutist, and Russel Shipley, clarinetist, in a recital Sunday, March 17, at 8:30 p.m., will include in their program a suite by Darius Milhaud, in which they will be joined by a woodwind quintet.

One of the features of the Berks Campus week-long "Salute to the Arts Program" will be the unveiling Sunday, March 17, of the sculpture of a dolphin, one of two to be placed on the roof of Reading's famous landmark, The Pagoda.

The Pagoda is a nationally registered historical site atop Mt. Penn, a good reproduction of Japanese pagodas. However, the structures in Japan are traditionally decorated with gilded dolphins, so citizens of Reading, reminded of this fact, campaigned to raise enough money to have two dolphins

The next Artists Series program will be given by the Alvin Ailey American Dance Theatre Saturday, March 23, at 8:30 p.m. in Rec Hall. Tickets will go on sale Wednesday, March 20, at 9 a.m. in the HUB.

And on Monday, March 18, Daniel Ragono, an undergraduate, will give a piano recital featuring sonatas by Prokofieff, Scarlatti, and Schubert, and three works by Chopin.

Wednesday March 20, Smith Toulson, clarinetist, will give a recital at 8:30 p.m. in the Music Bldg recital hall in which he will be joined by Steven Smith, Raymond Page, vocalist Karen Cain, William Dole and other members of the Claremont Quintet in music by Mozart, Vaughan Williams, Poulenc, Beethoven and Bartok.

Selected works of San Francisco Bay Area architect William Wilson Wurster, 1969 recipient of the profession's highest honor, the American Institute of Architects Gold Medal, will be on display until Mar. 24 in the Hammond Gallery, sponsored by the Department of Architecture. The photographic exhibit, which features 16 projects spanning a period of 40 years, was designed and produced by the California Redwood Association in honor of Wurster's life-long achievements.

University faculty or staff members who are interested in any of the staff exempt or staff non-exempt jobs listed below may apply by calling Employment Division, 865-1387 (Network Line 475-1387). Do not contact the area having the vacancy. Applications will be accepted until: **5 P.M., Thursday, March 21, 1974.**

Funding Opportunities

MAY 14, 1974

(120-1) Information has been distributed concerning a new National Bureau of Standards (NBS) Fire Research Program which has a March

29, 1974 proposal deadline. NBS proposal solicitations include preliminary studies: (1) on the mechanism of flame retardants, (2) on the effect of smoke and its products on human behavior, (3) on the environment of a fire including the firefighter's

physiological responses, and (4) on the mechanisms of water extinguishment. Also solicited are research proposals (1) on the nature of smoke and aerosols resulting from fires, (2) on alarm and communication systems, and (3) on smoke movement and the development of models for design criteria. Model development proposals to predict the level of safety to life in a building equipped with "alter-

... **Curriculum Studies** — develop performance oriented curricula, and identify emerging occupations and basic skills for occupational cluster areas

... **Disadvantaged, Handicapped, and Minority** — improve their vocational education opportunities the image of vocational occupation to them, and provide a basis for improved access to those fields of employment.

... Alternate Work Experience Programs — Identify more creative approaches, improve satisfaction in work experience programs, clarify legal and other barriers, establish standards for programs and identify alternative programs and project cost benefits.

... Guidance, Counseling, Placement, and Student Follow-up Services — support applied studies

(120-2) The NSF grants proposals that design an experiment or package of experiments to test the usefulness of two-way cable communications for improving the delivery of local urban social services and the administration of local institutions such as school systems. The best designs will be selected for execution during a second phase. Full costs will be supported in both

VIDEO TAPE FACILITY
The Office of Student Affairs this week initiated a new service making use of Video Tape Network (VTN) films which will be shown at various "high traffic" areas such as the Hetzel Union Building, the Kern Graduate Commons, and the union buildings of the residence halls.

The first week's films are categorized as "entertainment." From March 16 to March 22, the documentary film will be "The Murder of Fred Hampton," which will be the subject of a panel discussion at the HUB, Wednesday, March 20. In the Colloquy series on "Politics and Justice," the film "The Politics of the

The system will ultimately have use not only for entertainment but for various educational purposes. VTN has films bearing directly on academic programs.

The Penn State Branch of the American Nuclear Society will be host to students from the Northeast U.S. March 21-23, at a conference that is viewed as a learning experience for the students attending, although many papers on current research will be featured. Along with the department of nuclear engineering, the ANS Student Section and the Atomic Energy Commission are sponsoring the meeting. The principal speaker will be Dr. Herbert C. Kouts, director, Division of Research, Safety and Research, Atomic Energy Commission, at the annual banquet Friday.

Two prints, "Luxembourg VII" and "Path III," by Harold Altman, professor of art at the University of Maryland, will be included in the Davidson National Print and Drawing Competition Exhibition at Stowe Gallery, Washington, D.C., on display March 17 to April 19. "Luxembourg VII" has been selected to receive the Jefferson-Pilot Corporation Purchase Award, and "Path III" the Knight Publishing Co. Award.

The department of Art Education will be providing eight art classes for children and teenagers during the Spring Term, ending Saturday at 8:45 a.m. beginning March 1. Enrollment has been underway for about a week and some classes may already be filled, but inquiry may be made by calling 865-6570, the same number to call for the roll. The classes include: arts and crafts, ages 6 and 7; drawing-paintings, ages 8 and 9; sculpture, ages 10 and 11; drawing and sculpture, ages 12 and 13; drawing and sculpture, ages 14 and 15; drawing and sculpture, ages 16 and 17; and drawing-painting, ages 18 and 19.

Responsible for the operation of the Coffee Shop, and for the supervision of banquets and catered events, as required. Responsible for monthly inventory of food items. Compiles monthly food costs. Associate degree in Food Service or equivalent with one to two years effective experience in food production and dining service.

of satisfying information needs of educational administrators, planners, and other users. The program will provide a basis for matching job requirements with skills, improve the accuracy of manpower projections, translate manpower forecasts, and find interlinkage for a vocational education and employment development groups. Additional announcements about these programs and submission dates and information is expected this summer.

(120-4) The 1973-74 Senior Fellowship
program of the National Endowment for the Humanities has a June 17, 1974 deadline. Matters of current national interest are stressed. Includes confessional studies. More traditional studies also of interest. Fellowships will be awarded to experienced writers, interpreters, scholars, in fields of languages; and experts in linguistics, literature, history, jurisprudence, philosophy, comparative religion, archaeology, arts, social sciences, and humanities. Stipends will be a minimum of \$1,500 per month for 6 to 12 months. Contact Division of Fellowships, NEH, 806 15th N.W., Washington, O.C. 20506 (202)362-5427
CFOA 45, 106

March 22 for OGC Office Website
Demonstration Grants Program (Feb. 28 INTERCOM #118-1) ... March 25 for NSF Energy Research
Graduate Traineeships (Feb. 14 INTERCOM #118-2)
... March 31 for NSF Latin American Cooperative
Science Program (Feb. 14 INTERCOM #118-3)
April 1 for NSF Faculty Fellowships (Feb. 14
INTERCOM #115-2) ... April 8 for NSF Doctoral
Related Research on Technology Utilized by
Government (Feb. 7 INTERCOM #115-3)
... April 15 for NEH Museum Programs' Exhibition and
Community Education Grants (Sept. 13 INTERCOM #118-4)
... April 15 for OE Ethnic Heritage Studies
Program (Feb. 28 INTERCOM #118-2) ... May 1
NEH Research Grants (March 9 INTERCOM #118-1)

PENN STATE intercom

Volume 3, Number 27

March 21, 1974

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

From fund for support of research, other creative work

Research initiation grants for 29 projects announced

Twenty-nine research initiation grants ranging from \$2,000 to \$6,500 have been awarded to University faculty members from a fund approved by President John W. Oswald for the encouragement and support of research and other creative work.

And ad hoc committee appointed by Dr. R. G. Cunningham, vice president for Research and Graduate Studies, consisting of Dr. Paul H. Rigby (chairman), Dr. E. R. Buskirk and Dr. E. L. Miller received 69 proposals. Those receiving grants include:

R. G. Anthony, Forest Resources, Accumulation of Heavy Metals and Characteristics of Muskrat Populations in Relation to Water Quality in Pennsylvania.

D. W. Arnett, Bioengineering, Prototype Model of the Mammalian Dorsal Lateral Geniculate Nucleus.

R. W. Christina, Physical Education, Proprioception Versus Motor Outflow in the Timing of Skilled Movements.

Frank Clemente, Sociology, Life Satisfaction of the Black Aged.

S. L. Dachter, Biology, Regulation of Enzyme Synthesis by Testosterone.

M. M. Dupuis, Special Education, The Close Procedure as a Predictor of Success in Reading Literature.

J. L. Farr, Psychology, The Effects of

Some Motivational and Personality Variables.

D. L. Garwood, Horticulture, Effects of Genetic Alterations in Maize (ZEA MAYS L.) on the Digestibility of the Grain.

H. L. Gilmore, Capitol Campus, An Empirical Research Study into the Quality Motivational Programs of Selected U.S. Consumer Product Manufacturing Firms.

D. W. Grouard, Landscape Architecture, The Development of Techniques and Policies which will Aid in the Reclamation and Reuse of Bituminous Strip Pits in Pennsylvania.

T. M. Joys, Microbiology, The Antigenic Specificity of *Salmonella* Flagella.

Daniel Katkin, Community Development, Use of Social Investigation Reports in Juvenile Court.

Jayne Kribbs, English, Bibliography of American Literary Periodicals from 1741-1850.

F. R. Kuss, Physical Education, Response of Certain Forest Symptoms to Recreational Use Intensities.

J. B. Li, Physiology at Hershey, Protein Turnover in Skeletal Muscle.

D. P. Madaci, Physics at Shenango Valley, Paramagnetic Defects in G.O.

R. J. Masters, Architecture, Developing a Space Description for Planning the Sequential Experience of Architectural Space Utilizing Computer Graphics.

R. D. Minard, Chemistry, Heteropolypeptides from Hydrogen Cyanide and Water.

D. A. Nelson, Mechanical Engineering, Radiation Properties of Atmospheric and Combustion Gases.

J. C. Olson and A. A. Mitchell, Marketing, Mass Communication Effects on Attitude Formation and Change Processes.

R. A. Pitts, Management Science, Internal Management of Multi-Business Firms.

D. M. Roberts, Educational Psychology, Investigation of the Reliability and Validity of Methods of Assessing Partial Knowledge on Multiple-Choice Tests.

Ravi Sehi, Computer Science, Machine Generation of English Text.

J. L. Sibert, Geography, The Impact of Mixed Land Use on Urban Property Values.

K. A. Thielen, English, Folklore Field Survey in Central Pennsylvania.

Henri Tinelli, French, Corsican Morphophonemics.

F. C. Trutt, Electrical Engineering, Non-linear Flux Plotting of Magnetic Fields in Electromechanical Energy Conversion Devices.

P. K. Warme, Biochemistry, Oxygen Binding to Semi-Synthetic Analogs of Myoglobin and Hemoglobin.

D. L. Webster, Anthropology, Archaeological Survey in the Lowland Maya Region of Mexico and Guatemala (Yucatan Peninsula).

Administrators



Dr. John L. Leathers, director of the Altoona Campus, has been appointed to the new position of Administrative Director of the Commonwealth Campus system, effective July 1. The post was created by the Board of Trustees in January, when academic and administrative responsibilities for Commonwealth Campus operation were consolidated in the office of the Dean of Academic Instruction for Commonwealth Campuses, who is Dr. Robert G. Quinn.

Dr. Leathers, who succeeded the late Robert E. Elche as director of the Altoona Campus in 1969, is a 1954 graduate of Clinton State College; he earned advanced degrees at Penn State. Before taking the Altoona post, he was assistant professor of psychology and chairman of the division of student personnel services at Muskingum College.



Dr. Harvey W. Well has been named director of the Division of Undergraduate Studies, which was established last fall as an academic unit to improve student advising and to enroll students unsure of their academic goals. The division will serve as a University-wide academic information and support system for student advising. Dr. Well, who has been serving as acting director of the Division, is also assistant professor of human development. He received all three degrees, in psychology, from Penn State. He has been a member of the staff since 1954, when he was appointed assistant to the director of the Division of Inter-mediate Registration.

Faculty Forum

The following "Comments for the Good of the University" were made by Murray S. Martin, associate director of University Libraries, at the University Faculty Senate meeting of March 5, 1974.

Today I am not speaking to you as a librarian, nor as an Administrator, but as a fellow senator and a member of your Curriculum Affairs Committee. You have today considered recommendations from that Committee on criteria for use in Undergraduate Program Review. One thing which we felt had to be included was called University Interaction. It included that very important matter of service courses.

It is one aspect of those service courses that I wish to bring before you today. Eons ago, or so it seems now, we agreed on some general baccalaureate degree requirements. Included among them were some knowledge of "communication" and "quantification." In practice, these terms mean a group of courses such as English 1, Speech 200, Math 61. This is the practical way of measuring whether students do indeed have some facility in writing, speaking and calculating.

The brute fact is that students coming into the University very frequently are unable to undertake any of these activities, certainly not with any high standard of accomplishment. It came as a shock to me to hear that as many as half the freshmen entering Commonwealth Campuses achieve scores on the English Placement Test which suggests failure. A similar situation exists in Mathematics. Recently I was informed that each year at least 400 students enrolling in Speech 200 have problems so severe that a simple conversation is a traumatic experience. Other conversations

have brought to my attention severe preparation deficiencies in Chemistry and Physics, while a colleague in one language department reported that, distressed by evident inability of students to construct sentences in that language, he offered one essay question in English, only to find that the students were equally unable to construct sentences in English.

This situation is not one of which we can be proud, nor is it one which we can blame on "them." Such deficiencies strike at the root of education. If I, may, for a moment, adopt my persona as librarian, I would have to say that I am equally concerned at the widespread bibliographic illiteracy evident on campus, and I refer not to difficulties with complicated bibliographic records, but the simple inability to read a catalog card or an entry on a list, to understand it or to transcribe it properly.

It is impossible to sweep an academic problem of such proportions under the rug, nor is it an adequate response to seek out scapegoats. This is not simply a matter for the Department of English or the Department of Mathematics. It is for the whole University. It is a situation that will not go away. In fact, it is likely to get worse. It must, therefore, be faced and a solution found. For years English has been operating a kind of clinic using resources that should go into other parts of the instructional program. The Department has reached the end of that road. It now proposes a 3-credit course, English II, since credits generate income. Mathematics, which has for some years taught Math 4, 5 and 10 as remedial courses, proposed Mathematics I to cover simple numerical skills.

Such proposals present your Committee with a nice academic problem. "Should credit be given for remedial work?" The answer "no" solves the academic conscience and keeps the catalog clean, but it does not provide the practical answer to the question "how are we to ensure a basic education for our students?" The course may not be of "University" level, though I have doubts that several other courses on examination would qualify any better. We are, however, committed to mass education, and the use of English, for example, is a basic, necessary skill. English II is therefore a practical alternative for a hard-pressed department which feels it will serve the University's mission better by seeking a positive way to help students than by taking a purist stance. Is it better simply to let students fail English I and in fact turn them away from the University, or perhaps, without telling, to lower the standards and let them through anyway, secure in the knowledge that for the most part they will then become another department's problems? When a de-

(Continued on page 16a)

Seek nominations for department head

The College of Agriculture is seeking nominations for the position of Head of the Department of Agricultural Economics and Rural Sociology. The incumbent, Dr. Lee Day, has asked to be relieved of administrative duties effective July 1, 1974.

The qualifications for the position include a Ph.D. in Agricultural Economics, Rural Sociology, or a closely related field, and demonstrated administrative ability.

The department is one of the largest in the College of Agriculture, having some 60 full-time faculty positions. Activities include resident instruction, extension education and research. Currently there are 68 candidates for M.S. and Ph.D. degrees, and there are about 80 four-year undergraduates and 40 two-year (associate degree in agricultural business) candidates.

Applicants for the position are asked to provide detailed biographical data and the names of three references when the nomination committee may contact.

Additional information regarding the position may be obtained from Dr. R. F. Hutton, chairman of the Screening Committee, Room 229 Agricultural Administration Bldg., University Park, Pa. 16802. Deadline for applications is April 15, 1974.

Burton S. Horne, professor of agricultural engineering extension, has been given the Merit Certificate Award of the American Forage and Grassland Council, for his contributions in support of grassland agriculture, by developing procedures to analyze the performance of forage harvesting equipment under field conditions. He was honored at the Council's Seventh Research and Industry Conference.

Mrs. Ruth Ann Wilson, assistant professor of clothing extension, was awarded second highest honor, in the form of a plaque, by the Men's Retail Association and Men's Fashion Association for her television program on men's fashion. The program, "Men's Fashion," Barbara Walters, WNBC, N.Y., was a feature presentation on men's winter fashions and how to economically update wardrobes. It was shown on the Farm, Home and Garden program, which is aired by WPXV-TV and two other educational television stations and four commercial stations in Pennsylvania. Film photographer and producer for the film portion of the program was Eugene Bentley, of the Philadelphia area, and president of the Pension Service. The award was given Feb. 8 in Dallas, Texas, where the associations were meeting.

Dr. Angelo C. Gillie, professor of vocational education, is the author of "Principles of Post-Secondary Vocational Education," a textbook published Feb. 1 by Charles E. Merrill Book Co. The book presents a comprehensive description of post-secondary vocational education and the training of the middle level worker and his occupational role in society.

A description of vocational education and its role in American education is provided in the first part of the book. An occupational core curriculum approach is described; such a program first provides broad preparation for a variety of jobs, followed by specific training after the student has accepted employment.

Dr. Gillie proposes that the "universal college," incorporating two-year colleges, vocational schools, and the last two years of high school, would benefit the prospective middle worker.

In addition, other considerations for the future include curriculum planning, assessing the need for present and new programs, coordination and articulation among private and public institutions concerned with vocational education, and the importance of institutional research in avoiding educational and vocational obsolescence.

A textbook, "Management: A Contingency Approach," published by Addison-Wesley Publishing Co., was co-authored by **Dr. Don Hellriegel** and **Dr. John W. Slocum, Jr.**, associate professor and professor respectively, of organizational behavior in the College of Business Administration. As the book's title suggests, the authors provide the student with a comprehensive systems approach to management in a contingency context, wherein management decisions are based on variables involved in a specific situation.

A new associate degree program in community service with emphasis in administration of justice is being offered jointly this Spring by the Berks Campus and Lebanon Valley College.

In anticipation of the joint Institutional arrangement, classes began last September with over 40 students enrolled from the Lebanon area.

Courses in the field of administration and justice will be taught by Penn State personnel, according to William Solley, assistant professor of criminal justice at Berks, while Lebanon Valley faculty will handle classwork in the liberal arts area.

The administration of justice program designed to train and upgrade career and in-service personnel in police departments, probation and parole agencies, correctional institutions, and district magistrate offices.

At its meeting last weekend in Hershey, the Board of Trustees took the following actions:

Approved a cooperative arrangement between Gettysburg College and the University for a liberal arts and engineering degree program, to become effective with the Fall, 1974, Term. Students will spend three years at Gettysburg enrolled in liberal arts and pre-engineering courses in the basic sciences, then two years at Penn State in the specific engineering field. Baccalaureate degrees will be conferred by both institutions upon successful completion of the five-year program. Similar programs are already carried out with nine other colleges.

Approved a University-wide graduate program for dual title degrees in operations research. The program provides recognition for graduate students who have completed a planned course of training in op-

(Continued from page one)

partment which offers required service courses is operating on a fixed, finite budget, its options are severely limited. Drawing teaching time away from regular instruction is not the answer. Some reorganization of priorities is needed and the department can make a contribution, but a greater University-wide commitment is needed too, including a recognition that adequate budgetary support must be provided to cope with the results of a basic policy decision.

If we are committed to offering our students the best education possible, we must find a more satisfactory solution than the extensive use of remedial courses.

As a faculty we are prone to say that we can make only academic decisions, but we also want to have some say in the administrative decision-making process. We say that we cannot influence, cannot interfere with the academic prerogatives of an

University faculty or staff members who are interested in any of the staff exempt or staff non-exempt jobs listed below may apply by calling Employment Division, 865-1387 (Network Line 475-1387). Do not contact the area having the vacancy. Applications will be accepted until 5 p.m., Thursday, April 4, 1974.

FOREMAN — SERVICE DESK DISPATCH (EVENING), PHYSICAL PLANT — University Park

Responsible for supervision and coordination of the activities of the Service Desk and service workmen during the evening shift. Associate degree or equivalent technical training in the mechanical trades and two to four years effective experience in mechanical construction and maintenance work.

MANPOWER AND INFORMATION SPECIALIST, STUDENT AFFAIRS —
University Park

Responsible to collect, analyze and interpret information relating to local, regional and national manpower needs for college graduates and the relationships to academic programs offered at Penn State; assist with the development of manpower needs programs, information, delivery system, and related academic programs.

Instruction—Research—Continuing Education—Fellowships

For more information and funding source information, call 865-1

March 21, 1974

(121-1) Contract proposals for the design of a study of undergraduate preparation of U.S. education personnel are being solicited from qualified organizations by the OE's National Center for Educational Statistics (NCES). The Center wants to improve the base for data systems regarding teacher education, and to contribute to more effective planning and policymaking. The contract work will include a survey and case study design, a pilot survey design including an OMO approval package, and the conduct of a pilot survey with preliminary case studies. The project period is 24 months at a live man year level. The RFP due date is April 8, 1974.

(112-1) Applicants are being accepted by the Office of Education under its **Library Resource and Demonstration Program** for grants relating to the development of library training programs for training for librarians. Special consideration will be given to proposals dealing with (1) activities designed to improve the training of librarians and librarianship in the United States; (2) the needs of communities into new patterns of service emphasizing target groups such as the employed, undereducated, or culturally isolated groups; (3) the development of new techniques and resources; (3) studies assessing the above activities needs; (4) studies developing new techniques for the above activities; and (5) investigation of the needs of communities into new patterns of service emphasizing target groups such as the employed, undereducated, or culturally isolated groups. Applications must be received by April 8, 1974. Also accepted with the same deadline date are library training fee and travel grants. These grants are normally awarded to institutions with ALA accredited library training programs.

(121-3) In order to make competition more equitable for all applicants, the National E

erations research as an option in approved graduate programs. Nineteen graduate programs in eight colleges have been approved for participation in the operations research program, which is to be managed by an eight-member faculty.

Approved dates of Board meetings during 1975: Jan. 17-18 at University Park; March 14-15 at Hershey; May 29-30, July 18, Sept. 12, and Nov. 7, all at University Park.

Approved final plans for multi-purpose buildings for the Altoona and Schuylkill campuses; both are G.S.A. projects. Also approved paving or construction of parking areas at University Park, Hazleton, Wilkes-Barre, and Worthington Scranton campuses.

Approved of the hiring of an engineering firm to conduct a study of the main power plant at University Park, especially concerning the plant's needs for the future.

Individual dialogue or of a Department yet by not making decisions outside "our own field," however we define that, we do make decisions, even by the simple act of not deciding. We need also to say that the "academic" concern is not an "academic," that we are not charged with implementation, which is an administrative concern. If, however, we believe in the validity of our academic judgements how can we fail to be concerned in the matter of their implementation. Moreover, such a concern carries with it a need to be concerned with the future of the library as well as at the root of our failure to grapple with governance. I am reminded of the statement from a recent Cornell Library report, which stated flatly that the library staff had reached the end of its ingenuity in dealing with budget cuts and wanted desperately alternative suggestions and that no member of the staff said you cannot do it, someone else said you cannot do it, but also an abrogation of authority, to pass the problem on to "them" whether

providing consultation to other University divisions when requested; conducting follow-up studies of Penn State graduates. Master's degree in economics with emphasis in labor relations; 10 years experience in labor relations, counseling, communications or equivalent and two to four years experience in manpower planning information delivery systems, or career information.

Responsible for a variety of accounting functions with emphasis on Accounts Payable and Property Accounting. Bachelor's degree in Accounting or Business Administration or equivalent and two to three years effective experience.

In addition to the above vacancies, certain positions frequently become available because of the number of employees in them. They are listed below and will not be listed on an individual basis. Application for such positions may be made at any time and your interests may be made known now to the Employment Division for future consideration when vacancies occur. These positions are:

ASSISTANT FOOD SUPERVISOR, HOUSING & FOOD SERVICE

Applications for certain vacancies are considered without regard to race, creed, sex, or national origin.

Scientist — Fellow Program must be submitted before April 5, 1974. Stipends of more than \$12,000/year will be granted according to experience and number of dependents. Further information is available from: Dr. R. A. Scribner, Director, American Association for the Advancement of Science, Congressional Scientific Fellow Program, Dept. T, 2776 Massachusetts Ave., N.W., Washington, D.C. 20036.

(112) The National Institute of Mental Health (NIMH) has announced the availability of grants for **Mental Health Categorical Training Programs** for 1974-1975. Applications for these grants must be submitted by **April 1, 1974**. For contacts for specific application procedures for each program are: Psychiatry Training Center, Walter W. Shervington (301)443-2126; Behavioral Science Training Center, Robert L. Spitzer (301)443-3136; Work Training Center, Milton Wiltman (301)443-4187; and Psychiatric Nurse in Training Center, Mrs. Theklaugh Dumas (301)443-4423. The mailing address for all correspondence is: **NIMH, P.O. Box 12000, Bethesda, Md. 20812**. **5000 Flaxers Lane, Rockville, Md. 20850**. **FFY1973 carry over applications** which have been recommended for approval will be included in **FFY1974 funding competition**. **Conferences** will also be held in **Rockville, Md. on April 1, 1974**, deadline date.

March 29 for NOS Fire Research Program (March)
14 INTERCOM #121-1) . . . April 1 for NSF Faculty
Fellowships (Feb. 7 INTERCOM #115-2) . . . April
6 for NSF Decision Related Research on Techno-
logy Utilized by Local Government (Feb. 7)
INTERCOM #115-3) . . . April 15 for NEH Museum
Programs' Exhibition and Community Education
Grants (Sept. 13 INTERCOM #97-1) . . . April 15
for OE Ethnic Heritage Studies Program (Feb. 7)
INTERCOM #118-2) . . . April 15 for NSF Techno-
Way Cable Communications Experiment (March)
INTERCOM #120-2) . . . May 6 for NEH Research
Grants (March 7 INTERCOM #119-4) . . . March
17 for NEH Senior Fellowship Program (March)
INTERCOM #120-4).

Dr. John D. Lewis, as visiting professor of political science, for the Fall, 1970, Term. He is professor emeritus of political science at Oberlin College, having served as its 11th president from 1957 to 1970. He has taught at Oberlin from 1935 to 1970.

Dr. George G. Wilson, as professor of education, effective with the Summer, 1974, Term. He has been head of the education area at the University of Iowa for the past 12 years.

Dr. Maurice Gross, as adjunct professor of chemistry, effective with the Summer, 1974, Term. He is a member of the faculty of the University of Strasbourg, France, and his appointment initiates an arrangement under which he will make two-week visits to University Park several times each year to collaborate with Dr. Joseph Jordan, professor of chemistry, in the study of chemical reaction modeling project, trying to chemically simulate important life processes. A grant from NATO is supporting the studies.

University Calendar

March 21-31, 1974

Special Events

Thursday, March 21 — Labor Studies Club and USG Dept. of Labor, 10:30 a.m.; HUB assembly room, films; noon to 3 p.m., HUB ballroom, workshops; 3:30 p.m., talk by Michael Johnson, Penna. AFL-CIO, HUB ballroom.

Thursday, March 21 — Colloquy lecture, Robin Morgan, feminist editor, on "Feminist Tactics," 8 p.m., HUB ballroom.

Friday, March 22 — Army ROTC Dinner-Dance, 7 p.m., Elks Country Club.

Friday, March 22 — Folk and Square Dance Roundup, 7:30 p.m., North Gym, White.

Friday, March 22 — Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

Friday, March 22 — Colloquy lecture, Daniel Ellsberg, on "The Pentagon Papers and Beyond," 8 p.m., Rec Hall.

Saturday, March 23 — Artists Series, Al-

vin Ailey City Center Dance Theatre, 8:30 p.m., Rec Hall.

Sunday, March 24 — Ernie Headley cello recital, 3:30 p.m., Room 112 Kern.

Sunday, March 24 — Chapel Service, 11 a.m., Eisenhower Chapel. Rev. Richard R. Hicks, United Ministries in Higher Education, Richmond, Va.

Sunday, March 24 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

Monday, March 25 — Yasuko Koya Ohmoto, organ recital, 8:30 p.m., Music Bldg. recital hall.

Monday, March 25 — Department of Recreation and Parks Banquet, 6:30 p.m., Elks Club. Dr. Max Kaplan, University of South Florida, speaker. Open to the public.

Tuesday, March 26 — G.S.A. resume and vita workshop, 7:30 p.m., Room 101 Kern.

Tuesday, March 26 — "Crossroads," Lenten Meditations, 12 noon and 12:35 p.m., Eisenhower Chapel. The Rev. Don Davis on "The Campus at the Crossroads," and Debra Fatula, soloist.

Wednesday, March 27 — Noontime concert, 12:15 p.m., lobby of Kern.

Thursday, March 28 — Nutrition Clinic Workshop, "Mothers, Fathers and Babies," 8 p.m., Room 101 Kern.

Thursday-Saturday, March 28-30 — Eco-Action Student Environmental Conference.

Thursday, March 28 — Returning Student Women, 7:30 p.m., lounge, Eisenhower Chapel. Dr. Helen Meahl, sociology, on the subject of changing family roles and family conflicts. Open to the public.

Friday, March 29 — P.S.U. Symphony Orchestra, 8:30 p.m., Schwab.

Friday, March 29 — Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

Friday-Saturday, March 29-30 — Sports: Penn State YMCA swimming championships, Naticum.

Saturday, March 30 — Artists Series, Preservation Hall Jazz Band, 8:30 p.m., Rec Hall.

Saturday, March 30 — Sports: Men's lacrosse, 2 p.m., football practice field.

Sunday, March 31 — Cheerleading squad tryouts, 5-11 p.m., HUB ballroom.

Sunday, March 31 — Sharon Brook, piano recital, 3:30 p.m., Music Bldg. recital hall.

Sunday, March 31 — Chapel Service, 11 a.m., Eisenhower Chapel. Rev. Douglas Akers, United Methodist Church, Dallas, Pa.

Sunday, March 31 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

Seminars

Thursday, March 21 — Agronomy, 3:30 p.m., Room 3012 Ag. Adv. J. B. Powell, research geneticist for Plant Genetics and Germplasm Institute, on "Morphological and Anatomical Considerations for improved Degradation of Plant Tissue by Rumens Microorganisms."

Thursday, March 21 — Urban Transportation and Air Pollution Control, 2:20 p.m., Room 112 Kern. Robert Amero, Gulf Research and Development Co., Pittsburgh, on "Transportation Fuels and Source Emissions."

Thursday, March 21 — Chemistry, 12:15 p.m., Room 310 Whitmore. William J. Ray, Purdue University, on "Mechanism of Phosphoglucomutase Action."

Thursday, March 21 — Physics, 3:35 p.m., Room 117 Osmond. Daniel Zwaniger, Courant Institute, New York University, on "Theory and Practice of Magnetic Monopoles."

Thursday, March 21 — Philosophy, 4 p.m., Room 231 Willard. Dr. James Morrison, University of Toronto, and Dr. Alfonso Lingis, on "The Relation of Husserl and Heidegger."

Thursday, March 21 — Black Cultural Center, 4 p.m., Rec Books Room, Pattee Library. Dr. Eugene D. Levy, Carnegie-Mellon University, on "James Weldon Johnson: Black Leader, Black Voice."

Thursday, March 21 — Anthropology, 3 p.m., Room 107 Social Sciences. Dr. Warren T. Morrill, on "Cognitive Anthropology: God's Truth."

Monday, March 25 — Plant Pathology, 9:45 a.m., Room 213 Buckhout. Robert Spotts, on "The Biomechanical Concept."

Monday, March 25 — Inter-Science, 4 p.m., Room 310 Whitmore. Dr. Matthew W. Scharff, cell biology, Albert Einstein College of Medicine, on "The Synthesis and Assembly of House Immoglobins: A Biochemical and Genetic Approach."

Monday, March 25 — Computation Center, 7:30 p.m., Room 110 Osmond.

Monday, March 25 — Analytical Chemistry, 1 p.m., Room 333 Whitmore. Dr. Peter Gund, Merck, Sharpe & Dohme Co., on "Computer Graphics Applications in Chemistry and Biology."

Monday, March 25 — New Communities, 2-5 p.m., Room 322 Sackett. Drayton S. Bryant, community planning and housing

consultant, on "Low and Moderate Income Housing in New Communities."

Monday, March 25 — Genetics, 3:55 p.m., Room 111 Tyson. James Hoerter, biology, on "Gene Dosage Effects on the Expression of Pigmentation in the Axolotl."

Tuesday, March 26 — Operations Research, 3:45 p.m., Room 267 Willard. Dr. Micha Hori, computer science, on "Markov Chain Analysis of a Multiprogramming Queue."

Tuesday, March 26 — College of Health, Physical Education and Recreation, 2 p.m., Room 101 Kern. Dr. Max Kaplan, director of Leisure Studies Program, University of South Florida, on "The Significance of Leisure in Future Perspective."

Tuesday, March 26 — Astronomy, 4 p.m., Room 445 Davey. Allen Parks on "Electron Impact Excitation Cross Sections and Rates for the Isolelectronic Series at Helium and Other Light Elements."

Wednesday, March 27 — Two Cultures Dialogues, 12:30 p.m., Room 159 Materials Research Lab. Dr. E. A. Vastyan, Hershey Medical Center, and Dr. Joseph Kockelman, philosophy, on "Value

Considerations in Engineering and Technology."

Thursday, March 28 — Chemistry, 12:45 p.m., Room 310 Whitmore. John Deutsch, M.I.T., on "Aspects of the Hydrodynamic Behavior of Macromolecules in Solution."

Thursday, March 28 — Agronomy, 3:30 p.m., Room 301B Ag. Adv. R. Sidle on "Heavy Metals Application and Plant Removal in the Wastewater Renovation Project."

Thursday, March 28 — Urban Transportation and Air Pollution Control, 2:20 p.m., Room 112 Kern. Lester Hoei, civil engineering, Carnegie-Mellon University, on "Technological and institutional Innovation for Improving Urban Transportation."

Thursday, March 28 — Engineering Acoustics, 4 p.m., Room 71 Willard. Mahlon D. Burkhardt, Industrial Research Products, Inc., Elk Grove Village, Ill., on "Hearing and Acoustics."

Thursday, March 28 — Remote Sensing, 1 p.m., Room 225 Elec. Eng. West. L. Edwin Link on "Simulation Model for Optimization of Remote Sensor Data Acquisition."

Exhibits

(Tours of the Museum of Art are conducted each Thursday at 1:30 p.m., with volunteer guides familiar with the current exhibits.)

Museum of Art — Charles Sheeler: The Works on Paper, Gallery A, through March 24. Eighth Dublin National Print and Drawing Competition Exhibition, Gallery B. Selections from the Permanent Collection, Gallery C.

Zoller Gallery — Eliot Porter, photography, through March 23. BFA Show, March 25-29. Contemporary Chinese Paintings, opening March 31.

Kern Gallery — Juried student photography prints, through March 30. Lee Ann and Dennis Kennedy, pottery.

Sackett Gallery — Student architecture projects, through March 30. Each Wednesday noon, discussions and demonstration in gallery.

Chambers Gallery — College of Education 50th Anniversary Exhibition, through March 29. Children's art exhibition, opening March 30.

Black Cultural Center — Smithsonian Traveling Exhibit on James Weldon Johnson, Black lawyer, politician, poet and diplomat.



Color photo by Eliot Porter, of birch trees, is one of features of exhibit in Zoller Gallery, closing Saturday.

Films

Thursday-Saturday, March 21-23 — USG films, "What Do You Say to A Naked Lady?" 6:30, 8:15 and 10 p.m., HUB assembly room.

Saturday, March 23 — Free-UC children's films, "Make Mine Music," 12:30 and 2 p.m., HUB assembly room.

Monday, March 25 — Graduate Commons America Film Series by Alistair Cooke, "America: The First Impact," 12:05-1 p.m., Room 112 Kern.

Wednesday, March 27 — Commonsplace Theatre, "Treasure of Sierra Madre," 8 and 10 p.m., Room 112 Kern.

Meetings

Thursday, March 21 — College of Engineering faculty meeting, 4 p.m., 26 Min. Sci. Room.

Wednesday, March 27 — Academic Assembly, 7:30 p.m., Room 351 Willard.

Mondays — USG Senate, 7:30 p.m., HUB assembly room.

Mondays — OTIS, 6:30 p.m., Room 203 HUB.

Tuesdays — A.R.H.S., 7:30 p.m., Room 203 HUB.

HUB specials

The H.U.B. Terrace Room has initiated daily special meals for both lunch and dinner at prices much below customary cafeteria prices also carries. No substitutions are permitted to benefit from these reduced prices. For the next week, the features (all accompanied with appropriate side dishes and beverages) are:

Sunday, March 24 — dinner, roast pork w/d., \$1.99; supper, tuna potato chip casserole, \$1.59.

Monday, March 25 — lunch, chili con carne, \$79; dinner, spaghetti w/meat sauce, \$1.59.

Tuesday, March 26 — lunch, chicken chow mein/ rice, \$93; dinner, lamb hot pot, \$1.43.

Wednesday, March 27 — lunch, Welsh rarebit w/ris., \$1.16; dinner, conch bowl a cabbage, \$1.69.

Thursday, March 28 — lunch, lasagne, \$1.11; dinner, meatloaf, \$1.59.

Friday, March 29 — lunch, fish cakes, \$1.22; dinner, French fried onions, \$1.49.

Saturday, March 30 — lunch, beef steak w/onions, \$.99; dinner, Maryland chicken pie, \$1.59.



Dance company

The Alvin Ailey City Center Dance Theatre company will serve a dual purpose in its three-day residency on campus this weekend (March 21-23).

Featured on the Artists Series Saturday at 8:30 p.m. in Rec Hall, the company is also here to take part in technique classes in intermediate and advanced levels for both jazz and modern dance Thursday and Friday. Master classes are scheduled for the evening hours.

The Alvin Ailey company, formed in 1958, made a highly successful European tour in 1970 that included six Russian seasons, a two-week London stop, and a guest engagement at the International Festival of the Dance in Paris. In 1972, after sell-out engagements at the City Center 55th St. Theatre, the company became a constituent of the City Center of Music and Drama. Inc.

Ailey, whom Walter Terry of "Saturday

Review" called "one of America's most experienced, most successful and most honored dance leaders," did the choreography for the staging of Leonard Bernstein's "Mass."

Tickets for the performance Saturday evening are currently on sale at the HUB.

Following this dance performance, the Artists Series will feature the Preservation Hall Jazz Band, Saturday, March 30, also in Rec Hall. Tickets will go on sale for performance Wednesday, March 27.

Lectures

Thursday, March 28 — S&H Environmental and Energy Policy Lecture, A. Myrick Freeman III, Bowdoin College, on "The Role of Benefits in the Analysis of Water Pollution Control Policy," 8 p.m., Keller Conference Center.



Chapel addition plans receive approval

CHAPEL ADDITION — This model drawing of the Helen Eakin Eisenhower Chapel shows the addition, at the left (west) end of the building, the sketch plan for which was approved by the Board of Trustees at its meeting last week. The addition will include meeting rooms, offices, a lounge area, and a multipurpose room below ground in the courtyard area. Funds provided by gifts from friends of the Eisenhower family will be used in the construction. The existing building was constructed nearly two decades ago; it was named for the wife of the president of the University from 1950 to 1955.

MRL to sponsor art purchase program

The Materials Research Laboratory, with assistance from the Penn State Foundation, is once again sponsoring an exhibition and purchase program in the arts, inviting artists to submit sculptures, paintings, collages, original graphics, creative photos, and works in mixed media to be exhibited and judged.

The theme of the exhibition, to be hung during the Central Pennsylvania Festival of the Arts, July 11-14, is "Beauty in Science, Science in Art." It is part of M.R.L.'s continuing interest in the meeting between science and engineering on the one hand and arts and humanities on the other.

Artists planning to submit works are asked to provide a notice of their intention by May 15 and submit the work by June 15.

The jury will include William Hull, the

University's director of exhibitions; Charles Lupton, executive director of the Penn State Foundation; George L. Maurer, professor of art history; Robert Gray head of the department of art; Rustum Roy, professor of the solid state and director of M.R.L.; Heinz K. Henisch, professor of physics and associate director of M.R.L.; and C. Mitze, National Endowment of the Arts.

All accepted work will be displayed in the exhibition. Leading entries may be purchased, although the jury is not obliged to recommend the purchase of any items. Honorary prizes will be awarded to the best three entries, however.

The exhibition, it is pointed out, will concern itself with works of art based directly or indirectly (but somehow recognizably) on scientific forms and concepts.

Report on China trip March 25

A report to the University community by some of those who made the recent trip to China will be made Monday, March 25, at 7:30 p.m. in Room 112 Kern Graduate Building. The meeting is open to the general public.

With Dr. Stanley F. Paulson, dean of the College of the Liberal Arts, acting as moderator, President Oswald and five others will give short talks, and a question and answer period will follow.

President Oswald will discuss "The Organization and Control of Higher Education in China." Other talks are titled:

"Political Trends in China," by Dr. Parris H. Chang, associate professor of political science.

"Living Standards of Chinese Workers and Peasants," by Dr. Jan S. Prybyla, professor of economics.

"Land Utilization in North China," by Dr. Alan Rodgers, professor of geography.

"Science and Technology in China," by Dr. Thomas Wartik, dean of the College of Science.

"China and the Soviet Union," by Dr. V. Aspaturian, Evan Pugh Research Professor of Political Science.

The Arts: exhibits, music

A cello recital, organ program, and piano performance will be given within the week by music students. Erin Headley, graduate student, will give the cello recital Sunday, March 24, at 3:30 p.m. in Kern Auditorium. Undergraduate Yasuko Koya Ohmoto will give the organ program Monday, March 25, at 8:30 p.m. in the Music Building. And Sharon Brook, graduate student, will give the piano recital Sunday, March 31, at 3:30 p.m. in the Music Building. All events are open to the public.

Oil paintings by Stephen DeSanto, currently a senior student at Huntingdon (Ind.) College, will be displayed in the Kern Graduate Commons until March 30. The paintings are mostly in a flat, realistic style, done on masonite panel, somewhat in the Wyeth style, bordering on monochromatic. DeSanto, who has exhibited in many

juried shows, has also studied at Long Haven State College, Sterling (Kan.) College, and Nottingham College of Education, in England.

When the University Symphony Orchestra gives its concert Friday, March 28, in the Schwab Auditorium (at 8:30 p.m.), two young soloists, a pianist and a soprano vocalist, will be featured, both winners of the Young Artists competition staged by the department of music last fall. Mike Chubbuck, soprano in music, will perform Beethoven's "Piano Concerto No. 1" and graduate student Shirley Fease Donovan will sing "Salce" and "Maria" from Verdi's "Otello." The orchestra, directed by Dr. D. Douglas Mills will play Dvorak's "New World Symphony" and Rimsky-Korsakov's "Russian Easter Overture."

CC officers attend conference

About 80 Commonwealth Campus administrative and chief academic officers took part in a conference this week at University Park on the role and importance of scholarly and creative activity.

The conference is the third in a series of annual meetings, the first of which focused on a review of the University's academic policy plan and organizational structure for

Commonwealth Campuses. Chief academic officers last year visited the campuses in a group as a means of improving communications and their knowledge of the campus system.

At the conference this week, a subcommittee of the Council of Academic Deans presented two working papers, and panel and general discussions were held.

News in brief

CONCERT BLUE BAND

The Penn State Concert Blue Band is preparing for a two-day tour of the Milliford-Pottsville-Sunbury-Selkingsgrove areas to give four concerts April 6-9. Also, on April 28, the band will give its annual spring term concert in Schwab Auditorium at 3 p.m.

LEISURE TIME

"The Significance of Leisure in Future Perspective" is the title of a colloquium talk to be given by Dr. Max Kaplan, director of the University of South Florida's Leisure Studies Program Tuesday, March 26, at 2 p.m. in Room 101 Kern. He will also be the banquet speaker, the evening before, for the Department of Recreation and Parks. Banquet tickets, priced at \$5 for students and \$6 for faculty and alumni, may be purchased at Room 257 Rec Hall. (Call 865-1851 for more information. Friday, March 22, at 5 p.m. is the ticket deadline.)

AMERICA FILM SERIES

The Alistair Cooke "America Film Series" will be shown weekly at the Kern Graduate Building (Room 112) from 12:05 p.m. to 1 p.m. The first film, "America: Making a Revolution," was shown Monday.

"America: The First Impact" is the second in the series and it will be shown Monday, March 25. This is Cooke's tribute to the things which have appealed to him most in America's past. New England foliage, New Orleans jazz, San Francisco, and H. L. Mencken.

The series will continue through May 20.

HIGHLIGHTS FILM

The film of highlights of Penn State's 1973 football season, titled "A Perfect Season — Penn State Football '73," is available for group showing, and student and faculty groups may obtain a copy for use without a charge (a service charge of \$10 is usually made). The film, which is narrated by ABC-TV announcer Chris Schenkel, may be obtained by faculty or student groups through the Athletic Department, Room 235 Recreation Building, 863-0351.

BUS FARES

This week riders of Campus Loop buses learned that they will in the future have to have the exact fare to ride the buses; no change will be available from drivers. The policy was instituted because drivers were occupied so much with making change, they had a hard time making their schedules. Also, it was announced that the Inner Loop buses will operate on a longer schedule, but the Mini-loop will not be in operation. Instead, an additional bus will be added to the Inner Loop as needed.

SCHOLARSHIP ADDED

The Southern Education and Production Region of Shell Oil Co. has established a scholarship at Penn State in the field of petroleum engineering. Amounting to \$750 annually, the scholarships will be awarded on the nomination of the department of petroleum and natural gas engineering.

UNIVERSITY COUNCIL

At its meeting March 14, the University Council agreed to ask the University Faculty Senate to move as quickly as possible in the establishment of a permanent subcommittee to develop comprehensive policy statements on evaluation of courses, programs and instructors.

The council also asked that a study be made of the travel habits of faculty and students that might lead to establishment of direct air travel between University Park and several major cities in the East.

ALTOONA PROGRAMS

The Student Affairs office at the Altoona Campus has scheduled a series of cultural events for the near future: a program of modern dance by the Penn State Contemporary Dance Co., Thursday, March 28, at 8 p.m.; a print exhibition by Bruce Shoben, March 30-April 14, at the Ivy-side Gallery; and a performance by the Alpha-Omega Players of Mark Twain's "The Diary of Adam and Eve," Thursday, April 4, at 8 p.m. An additional special event is a talk by Gregory Strong, of the U.S. Dept. of State, who will discuss the current Mid-East situation Monday, March 25, at 7:30 p.m.

BEHREND PLAYERS

John Guaré's "The House of Blue Leaves" will be performed by The Behrend Players May 2, 3, 4, 8, 9, 10 and 11 at the Behrend College Studio Theatre. The play, which opened off-Broadway in 1971, earned both the Ohio and New York Drama Critics Circle Awards.

CHILDREN'S GAMES

Games and gymnastics classes for kindergarten-fourth grade children of University Park and state members and other area residents will be offered again by the College of Health, Physical Education and Recreation in the White Building facility.

The classes will meet Thursday afternoon from 4:00 p.m. to 5:00 p.m., beginning March 28 and continuing through May 16.

Registration will be held on the first day of the class in White Building at the South Gym.

DELAWARE AND EXORCISM

A talk on "Exorcism" will be given at the Delaware County Campus tomorrow (Friday, March 22) by Father Eugene B. Gallagher, S.J., who is a lecturer and teacher at Old St. Joseph's National Shrine, Philadelphia. While professor of theology at Georgetown University in 1950, he was a teacher of William Peter Blatty, who wrote the film version of the book, "The Exorcist."

DELAWARE SERIES

The new District Alumni Club in the area of the Delaware County Campus is cooperating with the Campus in a series of community lectures on subjects of public interest, the first of which is to be given today (March 21) by James L. Everett, president of the Philadelphia Electric Co., who will discuss "The Energy Crisis." Everett, class of 1950, earned both bachelor's and master's degrees at Penn State. He began as a junior engineer at the company, was named the executive vice president in 1968, and was elected president in 1971. He has been honored on many occasions, receiving the University's "Distinguished Alumnus Award" in 1971.

NUTRITION WORKSHOPS

Two nutrition workshops, sponsored by the Penn State Nutrition Clinic, will be conducted on the University Park campus the near future. Thursday, March 28, 8 p.m. in Room 101 Kern, a workshop "Mothers, Fathers and Babies" will discuss topics as normal nutrition during pregnancy, breast feeding and bottle feeding, and food for the infant. The second clinic, to be held April 4, will be "Weight Control: The Vicious Cycle."

TRANSPORTATION SEMINARS

The seminar series, "Urban Transportation and Air Pollution Control," continues today (March 21) with Robert Ameri, Sr., Research and Development Co., speaking on Transportation Fuels and Source Emission. Held each Thursday, the seminars meet during the fifth period (2:20 to 3:50 p.m.) in Room 112 Kern, and they are open to the public.

ARTISTS SERIES

The Artists Series has scheduled an additional event for the current term: a film version of Chekhov's "Uncle Vanya" the production of the Chichester Festival Theatre by Sir Laurence Olivier. Tickets on sale April 2 and 3, will be 50¢ for students and \$1.00 for non-students. If any tickets remain after the HUB they will be available at the door. Schwab Auditorium on the night of performance.

CHANGING FAMILY ROLES

Dr. Helen Meahl, assistant professor of sociology, will discuss changing family roles and family conflict at a meeting of the newly-organized group, Returning Student Women, Thursday, March 28, at 8 p.m. in the Helen Eakin Eisenhower Building. Anyone interested in the subject may attend the meeting.

PENNSYLVANIA RUGBY

The Penn State Rugby Football Club has opened its Spring season and will next in Pittsburgh and at Villanova. Next home contests, when the B and C teams will play Franklin and Marshall, will be held Saturday, April 6, at the Rugby field east of the Flower Gardens. Players are always welcome; practices are held Tuesdays and Thursdays at 5 p.m.

PENN STATE intercom

Volume 3, Number 28

March 28, 1974

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

A variety of activities from dance to pottery

East Asian Festival in April spotlight

An East Asian Festival, sponsored generally by the East Asian Subcommittee and the East Asian Study Society during the month of April, will be highlighted by an art exhibit and lecture, an evening of Asian dance, a talk on Japanese porcelain potters, a lecture on Chinese land programs, and two Japanese films.

"Contemporary Chinese Painting and Calligraphy," an exhibit sponsored by the Yale-in-China Association and featuring works of the fine arts faculty at New Asia College in Hong Kong, opens April 1 at the Zollner Gallery, continuing through April 13. In connection with the exhibit, Walton

J. Lord, associate professor of art history who is serving as coordinator for the exhibit, will give an illustrated lecture in the Gallery at 8 p.m., Thursday, April 4. Lord points out that the exhibit includes works by artists who, though born in this century, work in traditional styles and by other contemporary artists whose paintings show marked European expressionist influence, while drawing on traditional Chinese themes. Others have abstract themes, but, Lord notes, the Chinese have been doing abstract paintings since the 13th century.

Thursday, April 11, three professional

dancers — from Korea, China, and Japan — will demonstrate folk, theatrical, court, and religious dances in an "Evening of Dance" at 8:00 p.m. in Room 112 Kern. The Institute for the Arts and Humanistic Studies is also a sponsor of this event.

Dr. Kenneth R. Beitler, professor of art education, will describe and demonstrate the techniques he learned from traditional potters of Japan. The lecture is scheduled for Wednesday, April 24, at 8 p.m. in Room 101 Kern.

Dates and times for other events planned will be announced later.

Retirees obtain increased benefits in SERS changes

On March 1, 1974, Governor Shapp signed legislation which provided sweeping changes in the State Employees' Retirement System including substantial increase in the monthly retirement benefit for members who retired on or before June 30, 1972. A fact sheet summarizing the changes is being distributed to all faculty and staff members who are members of the State Employees' Retirement System. The major changes in the plan were outlined in the February 14, 1974 issue of INTERCOM.

Each retired member who is eligible for a pension increase will receive his or her increased monthly amount beginning with the July, 1974 retirement check. The percentage which is to apply in the determination of the increase shall be determined on the basis of the effective date of retirement as follows:

EFFECTIVE DATE OF RETIREMENT	PERCENTAGE INCREASE FACTOR
July 1, 1971 — June 30, 1972	5%
July 1, 1970 — June 30, 1971	10%
July 1, 1969 — June 30, 1970	15%
July 1, 1968 — June 30, 1969	20%
July 1, 1967 — June 30, 1968	25%
Prior to July 1, 1967	30%

The July 1, 1974 Increase in Retirees' pensions is the second such Increase to take place since 1968 and further enhances the generous annuity provisions of the retirement plan.

Each retiree will receive information about the increase with his or her retirement check for March to be mailed by the Retirement Board at the end of March. All questions pertaining to the increase should be directed to the Secretary, State Employees' Retirement Board, Department State, Harrisburg, Pennsylvania, 17120.

News in brief

AMERICA FILM SERIES

The Alistair Cooke-narrated "America Film Series" being shown at the Graduate Commons and in the HUB weekly will feature the program "A Fireball in the Night" on Monday, April 1, at 12:05 p.m. in the Kern Graduate Building assembly room and at 2:15 p.m. in the HUB assembly room. This film examines the antagonisms responsible for the Civil War and the era of Reconstruction which followed it.

APPOINTED TO PARNEL

Dr. Joseph Jordan, professor of chemistry, has been appointed to a review panel of the U.S.-Israel Binational Science Foundation, which was established two years ago to support and promote cooperative research and related activities, for peaceful purposes, conducted principally in Israel, financed with Israeli currency, and involving scientists and institutions from Israel and the U.S. Dr. Jordan and other U.S. and Israeli scientists will review proposals for research projects funded by the Foundation.

ORGANIC GARDENING

Victor Kulvinskis, co-director of the Hippocrates Health Institute and author of three books and many articles on body ecology, will give a lecture with demonstration on indoor organic gardening Saturday, March 30, at 3 p.m. and Sunday, March 31, at 2 p.m., in the HUB assembly room.

(Continued on page four)

Sponsored by Religious Studies and Learned Societies Council

Six lectures scheduled on the Pilgrimage process

Victor Turner, professor of social thought and anthropology at the University of Chicago, will give a series of six lectures on the theme, "The Pilgrimage Process: American Lectures in the History of Religions," April 2-9, sponsored by the Department of Religious Studies and The American Council of Learned Societies.

The lectures, times and places are:

"Pilgrimage as Paradigm and Process: Ritual Work or Ritualized Leisure," April 2, at 4 p.m. in Eisenhower Lounge, with the co-sponsorship of the Philosophy Department.

"Myth and Politics in Mexican Pilgrimages," April 3, at 4 p.m. in Eisenhower Lounge.

"Pilgrimage and Communities: Pilgrimage from the Inside," April 4, at 3 p.m. in Eisenhower Lounge, with the co-sponsorship of the Anthropology Department.

"Iconophily and Iconophobia in Western Christian Pilgrimages: Pilgrimage Types and Dynamics," April 5 at 4 p.m. in 26 Deike Bldg., with the co-sponsorship of the Geography Department.

"Localism and Universalism: The Case of St. Patrick's Purgatory in Ireland," April 8 at 4 p.m. in Eisenhower Lounge.

"Merlin Pilgrimages: Sacred Motherhood in Five Epochs," April 9, at 4 p.m. in Eisenhower Lounge.

Professor Turner is the author of "Schism and Continuity in an African Society," "The Forest of Symbols," "The Drums of Affiliation" and "The Ritual Process." He has done fieldwork among the Ndembu of Zambia, the Gisu of Uganda, and in Mexico and Ireland.

Before joining the faculty of Chicago in 1968, he was a senior lecturer in social anthropology at the University of Manchester and professor of anthropology at Cornell University.

With a remembrance of the Depression era

Pray brings enthusiasm to his many interests

Soon after Wilkes-Barre-Scranton's new FM radio station asked listeners for programming suggestions, friends of Alfred R. Pray were not particularly surprised to tune in and find him "Chatting about Science."

His idea for a ten-minute weekly program was typical of the enthusiasm he has brought to many similar projects, his interests encompassing everything from non-aqueous chemistry and Go to ballroom dancing and watch repairs.

A professor of chemistry at the Worthington-Scranton Campus, Dr. Pray probably appreciates his present life-style more fully than some of his younger colleagues. For, like others of his generation, he still vividly remembers the 1930s and the Depression.

"I grew up in Ohio," he recalls. "My father was a self-taught metallurgist who became fascinated with gasoline engines and finally wound up working for the Peerless Motor Car Company in Cleveland. When the time came for college, I enrolled at Case Institute of Technology and had two years there before my father died quite suddenly. My mother took his insurance money and put it in the bank — unfortunately, the time was 1932, the year when Roosevelt closed the banks.

"We were wiped out. The house was taken — I remember the repossessors coming to claim the new mechanical refrigerator which had replaced our icebox. I couldn't find any steady work, so I took occasional janitorial jobs in a factory where my pay envelopes averaged about \$1.75 a week."

Finally, in 1936, Pray found a steady job as a water meter reader for the city

of Cleveland and enjoyed a brief period of prosperity, which ended when he was hit by a car and hospitalized for six months. He spent another six months at home before he was able to resume his meter reading. Eventually, as the effects of the Depression receded, he obtained a scholarship, reentered Case, and graduated with his B.S. in chemical engineering in 1941. The following year, he earned a master's in analytical chemistry and was awarded a fellowship at Syracuse which granted him a Ph.D. in inorganic chemistry in 1946.

Dr. Pray then tried his fortunes at the University of Minnesota, where he taught

and conducted research in the field of non-aqueous chemistry, eventually writing the second half of a volume of the "Encyclopedia of Comprehensive Inorganic Chemistry" on the subject. He left Minnesota on a sabbatical leave to conduct research at the Rockefeller Institute and remained there working with electrochemist Duncan McGuinness to redetermine the numerical value of the Faraday. When their grant ran out, he accepted a job at U.S. Plywood.

"Their research lab was more for show than blow," he notes. "We mainly did de-

(Continued on page four)



Dr. Alfred R. Pray, Worthington Scranton Campus — "... never stop developing new interests."

Leaves

C. Herbert Wheeler, Jr. professor of architectural engineering, has been granted a six-month leave, beginning in September, to visit progressive architectural engineering firms and building industries in the U.S. and Canada to observe new developments in the profession. He also expects to do some writing on the need for coordination between architects and engineers.

Dr. Glen Phillip Cartwright and Dr. Carol A. Cartwright, both associate professors of education, will be on leave in England for a year, beginning Sept. 1, to evaluate the effectiveness of CARE projects directed toward the retraining of regular classroom teachers and child care workers to enable the workers to identify and deal with exceptional children. The Fall Term will be spent at Plymouth, England, the Winter and Spring Terms at the University of London, and the Summer Term at Durham. He is assistant director of the University's Computer-Assisted Laboratory.

Honors

Dr. Gerard J. Brault, professor of French, has been elected Fellow of the Society of Antiquaries of London, which was founded in 1707 to promote the study of archaeology and early history. The Society will publish a volume of the sixteen rolls of arms of the reign of Edward I (1272-1307) which Dr. Brault will edit.

Appointments

J. Raymond Hawthorn, as visiting professor of classics for the Spring Term. He recently retired as head of the classics department at Bradford College, near Reading, England, where he was instrumental in keeping alive the Greek play tradition and took charge of the company which played the "Philocetes" in the ancient theatre at Salamis, in Cyprus. Among the books he has written is "Roman Politics 80-44."

In writing

"G. W. F. Hegel: An Introduction to the Science of Wisdom," by Dr. Stanley Rosen, professor of philosophy, has been published by Yale University Press. The book is a general study of Hegel, which, according to Dr. Rosen, attempts to relate his work to his predecessors in the history of philosophy and to show that fundamental elements in his teaching are developed by him from a critical assimilation of the main philosophical positions of the past. The technical aspect of Hegel's dialectical logic is also examined. The book develops themes from Dr. Rosen's two previous works, "Plato's Symposium" and "Nihilism: A Philosophical Essay." The relationship between Plato and Hegel is emphasized as a central philosophical alternative in the enduring quarrel between the ancients and the moderns, and Hegel's treatment of the problem of modern Nihilism is also developed.

"Controlling and Analyzing Costs in Food Service Operations" is the title of a book co-authored by James R. Keiser, associate professor of hotel and institution administration, and just published by John Wiley and Sons, Inc. The book is designed for both students and professionals, and it includes extensive discussions of accounting, budgeting, decision making, their control, labor cost analysis, and data processing in the field of food service.

The co-author is Elmer Kallio, who was a partner in the accounting firm of Laven- thorn Krekstein Horwath and Horwath at the time of his death in 1971.

March 31, 1974, is the last date for submitting charges for a 1973 Major Medical claim to the Employee Benefits Division, 133 Wilford.

The Arts: exhibits, music

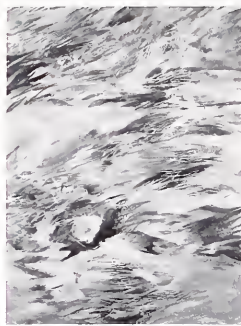
Chamber music played on wind instruments will be featured in a concert Wednesday, April 3, performed by members of the Clermont Wind Quintet, faculty members and students. The program begins at 8:30 p.m. in the Music Bldg. recital hall, Smith Tower, Gregory Osofsky, Christen Dole, Overde Page, and William Dole, all members of the Clermont group, will be joined by Raymond Page and June Miller and by five music students in practicing songs by composers of four different periods, ranging from Vivaldi to Malcolm Arnold, and including Dvorak's "Serenade."

An exhibit of the works of art completed by William Hansen, assistant professor of art, while serving as a visiting artist at Harvard University in 1972-73, will go on display at the Museum of Art, Gallery C, April 7 and continue on exhibit until May 5. Hansen, who has exhibited in New York and Boston galleries, among others, last had a one-man show on campus in 1969. The current works are acrylics.

The Alard Quartet, which recently made a recording for Sable Records of works by Benjamin

Britten and Sales, will give a recital on campus Friday, April 5, at 8:30 p.m. in the Music Bldg. recital hall, featuring three works by Vivaldi, in which June Miller, assistant professor of music, will take part as pianist and organist. Also to be performed are a string quartet by William Walton and a Mozart quartet considered to be his most difficult and complex. The Alard group recently returned from a 14-city European tour.

The annual spring concert by the Penn State Singers, directed by Raymond Brown, professor of music and director of choral music, will feature two motets by Anton Bruckner and "The Circus Bred" by Charles Ives. Bruckner was born in 1824 and lives in 1874, so the performances of their works are in the nature of an anniversary celebration. Musica De Cembra and the Penn State Brass Chorus will collaborate with the Singers in the Ives' work. A capella performances of works by Vaughan Williams, Brahms, Bruckner, Monteverdi, Billings, and P.D.O. Bach will also be given. The program will be performed Saturday, April 6, at 8:30 p.m. in Schwab Auditorium (doors open at 8 p.m.).



"Along an Inner Shore," is the title given to this 3 by 4-foot acrylic painting on canvas by Bill Hansen, whose one-man show opens at Gallery C of the Museum of Art April 7. The painting is one of many he completed while on leave at Harvard University.

Staff vacancies

University faculty or staff members who are interested in any of the staff exempt or staff non-exempt jobs listed below may apply by calling Employment

PROFESSOR GROUP AIDE, APPLIED RESEARCH LABORATORY—University Park
Design and specify propeller blades. Write, run, and debug computer programs for propeller manufacture and test evaluation. Supervise and inspect manufacture of blades. Perform tests of design models. Perform data reduction. Prepare reports of experimental results. Associate degree or equivalent in Mechanical Engineering or DDT plus Computer Science training or experience.
COMPUTER OPERATOR (2 POSITIONS), INTER-COLLEGE RESEARCH PROGRAM—University Park
Responsible for operation of computer console and input/output equipment; process computer jobs from submission by users to return to users, providing courteous service and maintaining alertness for error conditions. Two years of

Division, 865-1387 (Network Line 475-1387). Do not contact the area having the vacancy. Applications will be accepted until 5 p.m., Thursday, April 4, 1974.

college mathematics is required; familiarity with computer programming and operation of punched card equipment is desirable.

STAFF NURSE—Behrend College
Responsible for providing nursing care to the student body. Includes the training of minor and temporary illnesses and accidents, making appointments and referring students to a physician or hospital when necessary, and will provide general medical service within the limits of standard nursing practice on NSF's science education activity with Pennsylvania State University. 10 p.m. Monday thru Friday. Registered nurse required.

Applications for staff vacancies are considered without regard to race, color, creed, sex, or national origin.

THE UNIVERSITY IS AN EQUAL OPPORTUNITY EMPLOYER

Funding Opportunities

Instruction—Research—Continuing Education—Fellowships

For more information and funding source information, call 865-1372.

MARCH 16, 1974
(122-1) The Office of Education (OE) will provide about \$15 million for field initiated, applied research, and research-related activities aimed at improving the education of handicapped children. The four objectives are: (1) appropriately designed education, (2) career educational training relevant to the job market, career aspirations, and full potential; (3) teacher competency; and (4) enrollment of pre-school handicapped children in day care programs. Applications will be considered from all fields of study including applied research on cognitive functions, improved teaching and learning environments, communication media and teaching systems, and counseling. Federal Register information has been distributed and is available (OEFR8659-2/137-74). Applications must be received by April 16, 1974.

OE also finances Student Research in Education, Physical Education, and Recreation for the Handicapped. Under this program, OE hopes to stimulate entry of new personnel into the named research areas. Of particular interest are proposals that outline methods of promoting independence of severely handicapped children and youth so as to reduce institutional care. Applications must be received by April 16, 1974.

(123-2) The National Institute of Education plans to issue multiple contracts for an investigation of methodological problems and issues in educational research. Investigators are needed to develop "user-oriented" solutions to problems in: (1) longitudinal methodology, (2) causality in non-experimental research, (3) the role of experimental methodology, and (4) data pooling and aggregation. RFP NIE-R-74-009 is available from: DHEW/Nat-

ional Institute of Education, Contracts/Grants Management Division, Room 720, Main Bldg., 1832 M Street, N.W., Washington, D.C. 20038 (Attn: John Holmgren).

(123-3) NSF is soliciting statements of qualification from organizations having the background and capability of providing scientific and research information on a quick reaction basis through basic ordering agreements (BOAs). Following are the subject areas: (1) Science Policy, including international science and technology (S&T); world food, agricultural and industrial productivity; social sciences, intergovernmental S&T, and urban problems; achievement of national goals through civilian S&T (2) Science Information, including science information systems and services, sources, processing technology and procedures, bibliographic and data retrieval services, international information exchanges, and user requirements for scientific and technical information— (3) Energy Policy and Research, including conventional and solar, geothermal and other nonconventional, programs related to energy R&D including energy supply technologies, energy demand and conservation, energy related areas of environmental, economic, and sociological research. Each organization soliciting qualification for BOAs will be performance rated under the following activities: policy analysis, research results, analysis; systems analysis; cost/benefit analysis; identifying environmental impacts; economic analysis; literature searches and studies; symposia conferences and meetings; planning/scheduling and program/project monitoring; modeling and forecasting, and preparation of presentation and display material and aids. Qualification statements must be addressed to one of the three enumerated subject areas above (or more than one but separately). The general contact is: National Science Foundation, Contract Branch, Room 620, 1800 G

Appointed



Dr. Barbara A. Underwood has been named director of the Division of Biological Health in the College of Human Development, effective June 1. She has been a member of the faculty since 1972 and is associate professor of nutrition. The Division supports education and research programs in the general fields of nutrition, health planning and administration, and nursing. Dr. Underwood, a graduate of the University of California at Santa Barbara, received an M.S. degree from Cornell University, and a Ph.D. in nutritional biochemistry from Columbia University. She was a member of the faculty at Columbia 1968-72 and at the University of Maryland 1962-68.

Dotterer lecture

The annual Ray H. Dotterer Lecture in Philosophy will be given April 11 by Dr. Josiah Thompson, of Haverford College, who will discuss the question "Who Wrote Kierkegaard's Books?" Dr. Thompson has written three books on Kierkegaard, including a biography. He is also author of "Six Seconds at Dallas." The lecture will be given at 8 p.m. in Room 101 Kern and be followed by informal discussion.

Street, N.W., Washington, D.C. Attn: James Will (Ref. CBO 3/12/74, p. 4).

(122-4) To utilize its record \$388.2 million budget (up from \$546.4 million last year), NSF program contains four major features: (1) the largest program of basic research in the social disciplines in NSF history, (2) more emphasis on basic and applied research focusing on the Nation's energy needs, (3) continued concentration on NSF's science education activity with emphasis on the development of energy-related manpower sources, and (4) increased emphasis on international cooperative scientific efforts with East and West European countries and with Pacific and Eastern countries. A new NSF Guide to Program NSF 73-35 will be available soon. Inquiries are invited regarding projects funding needs related to the above areas.

(122-5) The Office of Education has announced April 15, 1974, as the deadline for submitting applications for grants or contracts to train community support teams to establish and/or maintain drug abuse programs in their communities. (Ref. CFDA 13,420).

REMINDERS—DEADLINE DATES

April 6 extended for OE Environmental Education Projects (Feb. 14 INTERCOM #116-1) . . . April 6 for OE Library Research and Demonstration Projects and fellowships, traineeships and internships (March 21 INTERCOM #119-2) . . . April 15 for NEH Museum Programs Exhibition and Community Education Grants (Sept. 13 INTERCOM #117-1) . . . April 15 for NSF Two-Way Exchange Grants Experiments (March 14 INTERCOM #120-2) . . . May 5 extended for OE Ethnic Heritage Studies Program (Feb. 28 INTERCOM #118-2) . . . May 6 for NSF Two-Way Exchange Grants Experiments (March 21 INTERCOM #119-2) . . . May 6 for NEH Research Grants June 17 for NEH Fellowship Grants (March 21 INTERCOM #121-3) . . . June 1 for NEH Research Grants (March 7 INTERCOM #120-2) . . . June 1 for NEH Senior Fellowship Program (March 14 INTERCOM #120-4).

University Calendar

March 28-April 7, 1974

Special Events

Thursday, March 28 — Nutrition Clinic Workshop, "Mothers, Fathers and Babies," 8 p.m., Room 101 Kern.

Thursday, March 28 — Returning Student Women, 7:30 p.m., lounge, Eisenhower Chapel. Dr. Helen Meahl, sociology, on importance of changing family roles and family conflicts. Open to the public.

Thursday-Saturday, March 28-30 — Eco-Action Student Environmental Conference.

Friday, March 29 — P.S.U. Symphony Orchestra, 8:30 p.m., Schwab.

Friday, March 29 — Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

Friday-Saturday, March 29-30 — Sports: Penn State YMCA swimming championships, Natatorium.

Saturday, March 30 — Artists Series, Preservation Hall Dance Jazz Band, 8:30 p.m., Rec Hall.

Seminars

Thursday, March 28 — Central Penna. section, A.I.A.A., 4:00 p.m., Room 232 Hammond. Dr. R. R. Parkin, on "Problems in Unsteady Hydrodynamics."

Thursday, March 28 — Population Issues Research Office with Agricultural Economics and Rural Sociology, 3:30 p.m., Room 158 Willard. Dr. Glenn V. Fugitt, University of Wisconsin, on "Residential Preferences of Contemporary Americans: Research and Implications."

Thursday, March 28 — Chemistry, 12:45 p.m., Room 310 Whitmore. John Deutsch, M.I.T., on "Aspects of the Hydrodynamic Behavior of Macromolecules in Solution."

Thursday, March 28 — Agronomy, 3:30 p.m., Room 201B Ag. Adm. R. Side on "Heavy Metals Application and Plant Removal in the Wastewater Renovation Project."

Thursday, March 28 — Urban Transportation and Air Pollution Control, 2:20 p.m., Room 112 Kern. Lester Hool, civil engineering, Carnegie-Mellon University, on "Technological and Institutional Innovation for Improving Urban Transportation."

Thursday, March 28 — Engineering Acoustics, 4 p.m., Room 71 Willard. Mahlon D. Burkhart, industrial Research Products, Inc., Elk Grove Village, Ill., on "Hearing-Aid Acoustics."

Thursday, March 28 — Geography, 11:15 a.m., Room 369 Willard. Sister Mary

Saturday, March 30 — Sports: Men's lacrosse, 2 p.m., football practice field.

Saturday-Sunday, March 30-31 — Lecture-demonstration on indoor organic gardening by Victor Kuvinskas, author and co-director of the Hippocrates Health Institute, HUB assembly room; Saturday at 3 p.m., Sunday at 2 p.m.

Sunday, March 31 — Cheerleading squad tryouts, 11 p.m., HUB ballroom.

Sunday, March 31 — Sharon Brock, piano recital, 3:30 p.m., Music Bldg. recital hall.

Sunday, March 31 — Chapel Service, 11 a.m., Eisenhower Chapel. Rev. Douglas Akers, United Methodist Church, Dallas, Pa.

Sunday, March 31 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

Tuesday, April 2 — "Crossroads," Lenten Meditations, 12 noon and 12:35 p.m., Eisenhower Chapel. The Rev. Imgart Soltan on "Mary Under the Cross," and Richard Jackman, classical guitarist.

Wednesday-Friday, April 3-5 — "Five O'Clock Theatre, "What If," and "Bivalve,"

Annette, geography, Clark University, on "Rationality and Ecology: The Geographer's Dream for Tomorrow."

Thursday, March 28 — Biophysics, 4 p.m., Room 617 Life Sciences. Thomas McIntosh, Carnegie-Mellon University, on "X-ray Diffraction Analysis of Nerve Myelin."

Thursday, March 28 — Meteorology, 3:55 p.m., Room 26 Min. Sci. Dr. John Norman on "National Center for Atmospheric Research Joint Meteorological Observations."

Friday, March 29 — Solid State Physics, 2:15 p.m., MRL auditorium. Professor B. J. Mathias, University of California at San Diego, on "Systematic of Superconductivity."

Monday, April 1 — Entomology, 4 p.m., Room 204 Patterson. Kamal Rashid on "Mutagenicity of Pesticides and Some of their Degradation Products."

Monday, April 1 — Plant Pathology, 9:45 a.m., Room 213 Buckhout. Robert Palne on "A Mastery Learning Experiment and a Computer Learning Aid for the Epidemiology and Control of Plant Disease."

Monday, April 1 — Computation Center, 7:30 p.m., Room 110 Osmond. JCL (3); Room 228, Computer Bldg., Graphics

Monday, April 1 — New Communities, 2 p.m., Room 322 Sackett. Dr. Larry L. Hickie, South Presbyterian Church, on "Religious Planning in New Communities: Meaning and Institutions."

Monday, April 1 — Genetics, 3:55 p.m.,

Room 111 Tyson, Gordon Buswell, horticulture, on "Color Inheritance of Tetraploid Geraniums."

Monday, April 1 — Microbiology, 4 p.m., Room 350 North Frear. Dr. Lawrence A. Caliguri, Albany (N.Y.) Medical College of Union University, on "The RNA Replication Complex of Poliovirus."

Tuesday, April 2 — Physical Chemistry, 4 p.m., Room 333 Whitmore. Peter N. Lewis, Portsmouth Polytechnic, England, on "Conformations of Histones and Nucleobases: Histone Polymers."

Tuesday, April 2 — Religious Studies of Philosophy, 4 p.m., Eisenhower lounge. Victor Turner, Professor of Social Thought, University of Chicago, on "Pilgrimage as Paradigm and Process: Ritual and the Ritualized Leisure."

Wednesday, April 3 — Animal Nutrition and Nutrition, 3:55 p.m., Room 111 Animal Industries. Paul J. Wangness, on "Relationship between Obesity and Food Intake."

Wednesday, April 3 — Victor Turner, Professor of Social Thought, University of Chicago, on "Myth and Politics in Mexican Pilgrimages," 4 p.m., Chapel lounge.

Thursday, April 4 — Agronomy, 3:30 p.m., Room 301B Ag. Adm. Bldg. R. Stutzman on "No Tillage: A Method of Seeding Legumes Into a Grass Sward."

Thursday, April 4 — Urban Transportation and Air Pollution Control, 2:20 p.m., Room 112 Kern. Wolfgang Meyer, mechanical engineering and head Automotive Research Program, Pennsylvania Trans-

Friday, April 5 — University Readers performance, 8 p.m., Room 112 Kern.

Friday, April 5 — Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

Saturday, April 6 — Penn State Singers concert, 8:30 p.m., Schwab.

Saturday, April 6 — Sports: Men's golf, vs. Navy-Columbia 1 p.m.; Men's track, vs. Villanova; Men's rugby, vs. F & M; Women's lacrosse, vs. Froburg, 1 p.m.; Women's tennis, vs. Wilson, 10 a.m.

Sunday, April 7 — Sports: Men's baseball, vs. Ithaca, 1 p.m.

Sunday, April 7 — Artists Series, Chekov's "Uncle Vanya," film, 8:30 p.m., Schwab.

Sunday, April 7 — University Readers Performance, 8 p.m., Room 112 Kern.

Sunday, April 7 — Graduate Commons Improvisational Theatre, 8 p.m., Room 112 Kern.

Sunday, April 7 — Chapel Service, 11 a.m., Eisenhower Chapel. Donald M. Crider, Religious Studies.

Sunday, April 7 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

portation Institute, on "Emission Control Problems and Solutions in the Auto Industry."

Thursday, April 4 — Chemistry, 12:45 p.m., Room 310 Whitmore. Gary M. Hieffle, University of Indiana, on "Basic and Practical Investigations of Flame Spectroscopy."

Thursday, April 4 — Statistics, 4 p.m., Room 169 Willard. Emanuel Parzen, SUNY at Buffalo, on "The Stationary Time Series: Modeling Problem and its Solution."

Thursday, April 4 — Meteorology, 3:55 p.m., Room 26 Min. Sci. Dr. John Norman on "National Center for Atmospheric Research Joint Meteorological Observations."

Thursday, April 4 — Engineering Acoustics, 4 p.m., Room 71 Willard. Kenneth P. Roy on "Sound Power Measurements in Reverberant Rooms."

Thursday, April 4 — Remote Sensing, 1 p.m., Room 225 Electrical Engineering West. Captain James D. Turnell, Griff Air Force Base, Rome, N.Y., on "Remote Sensing Image Enhancement Techniques."

Thursday, April 4 — Anthropology and Religious Studies, 3 p.m., Chapel lounge. Victor Turner, University of Chicago, on "Pilgrimage and Communities: Pilgrimage from the Inside."

Friday, April 5 — Religious Studies and Geography, 4 p.m., Room 26 Deike. Victor Turner on "Iconophony and Iconophobia in Western Christian Pilgrimages: Pilgrimage Types and Dynamics."

Lectures

Thursday, March 28 — Slavic and Soviet Language and Area Center, 3 p.m., Room 174 Willard. Dr. Robert J. Maddox, American history, on "Woodrow Wilson and American Intervention in the Russian Civil War."

Thursday, March 28 — S&H Environmental and Energy Policy Lecture, A. Myrick Freeman III, Bowdoin College, on "The Role of Benefits in the Analysis of Water Pollution Control Policy," 8 p.m., Keller Conference Center.

Thursday, March 28 — Division of Biological Health series, 8 p.m., Room S209 Human Development. Dr. Howard A. Schroyer, Institute of Nutrition, University of North Carolina, on "Health, Medicine and Other Fantasies."

Thursday, April 4 — Walter J. Lord, art history, "Chinese Painting Yesterday and Today," 8 p.m., Zoller Gallery. Illustrated.

Meetings

Tuesday, April 2 — College of Business Administration faculty meeting, 10 a.m., Room 201 Business Administration Bldg.

Wednesday, April 3 — O.T.I.S., 7:30 p.m., Room 271 Willard.

Thursday, April 4 — College of Arts and Architecture faculty meeting, 4 p.m., Room 122 Music Bldg.

Sundays — U.S.G. Supreme Court, 7:30 p.m., Room 203 HUB.

Mondays — O.T.I.S., 6:30 p.m., Room 203 HUB.

Mondays — USG Senate, 7:30 p.m., HUB assembly room.

Thursdays — Hetzel Union Board, 7 p.m., Room 206 HUB.

HUB specials

The HUB Terrace Room has initiated daily special meals for both lunch and dinner at prices much below customary cafeteria prices ala carte. No substitutions are permitted to benefit from these reduced prices. For the next week, the features (all accompanied by appropriate side dishes and beverage) are:

Sunday, March 31 — dinner, roast turkey w/drf, \$1.98; supper, sausage pizza w/ slt, \$3.99.

Monday, April 1 — lunch, lasagne, \$1.99; dinner, chicken tetrazzini, \$1.47.

Tuesday, April 2 — lunch, chilled beef w/sl, \$1.19; dinner, hot meat sandwich \$1.41.

Wednesday, April 3 — lunch, grilled ham & cheese sandwich, \$1.39; dinner, macaroni and cheese, \$1.19.

Thursday, April 4 — lunch, turkey turnover, \$1.19; dinner, Italian spaghetti \$1.19.

Friday, April 5 — lunch, tuna noodle casserole, \$1.11; dinner, hot cakes, \$1.19.

Saturday, April 6 — lunch, chicken chow mein/rice, \$8.99; dinner, franks & beans \$1.29.

Films

Friday-Sunday, March 29-31 — "Cries and Whispers," Bergman film, 7:30 p.m., HUB ballroom, sponsored by University Union Board.

Monday, April 1 — Graduate Commons America Film Series by Alistair Cooke, "America: A Firebell in the Night," 12:05 p.m., Room 112 Kern. Also HUB assembly room, 2:15 p.m.

Wednesday, April 3 — Commonsplace Theatre, "The Producers," 8 and 10 p.m., Room 112 Kern.

Thursday-Saturday, April 4-6 — USG film, "Alice's Restaurant," 6:15, 8:20 and 10:30 p.m., HUB assembly room.

Saturday, April 6 — Free-U Children's film, "Charlie, the Lonesome Cougar," 12:30 and 2 p.m., HUB assembly room.

WPSX highlights

"Basic Education — Time for a Change?" Is the subject of "Pennsylvania Town Meeting" Thursday, March 28, at 8:00 p.m. on WPSX-TV, Channel 3. The program, produced by member stations of the Pennsylvania Public Television Network, focuses on three issues raised by the Citizens' Commission on Basic Education: the concept of "openness," the control of the schools, and school financing. The "town meeting" will include documentary reports on each of the three issues, a discussion of the issues featuring educators, state officials, and concerned residents from all parts of the state, and a local discussion of the issues as they affect Central Pennsylvania. Among those appearing on the program is Dr. Gordon Godbey, associate dean for Continuing Education in the College of Education at Penn State.

"The Mystery of the Maya" Is the subject of an hour-long "PBS Special of the Week" Monday, April 1, at 8:00 p.m. on WPSX-TV. The documentary explores the culture of the highly developed Central American Indian civilization which ended mysteriously in about 889 A.D. Included is a view of several Maya religious and cultural practices that have survived into modern times. The program is climaxed by film of the actual rediscovery of "Temple B," a Maya temple that was discovered — then lost again — in 1912. "The Mystery of the Maya" may also be seen Saturday, April 6, at 10:00 p.m. on Channel 3.

"Black World" presents an hour-long look at a "lost" tribe of Africans Tuesday, April 2, at 9:00 p.m., on WPSX-TV. The program features two black Harvard professors who recently discovered the tribe

In Surinam, South America, where they have survived since being transplanted by Dutch settlers in the 17th century.

"A Memory of Two Mondays," Arthur Miller's account of the black lives of blue-collar workers during the Depression, is featured on "Theatre in America" Wednesday, April 3, at 8:30 p.m. on WPSX-TV. Estelle Parsons and Jack Warden star in the play.

Exhibits

Museum of Art — Eighth Dull National Print and Drawing Competition Exhibition, Gallery B. Selections from the Permanent Collection, Gallery C. (thru March 30), from March 31, Gallery A. B. J. Hanson, Harvard Paintings, opening April 7, Gallery C.

Zoller Gallery — Contemporary Chinese Paintings, opening April 1.

Kern Gallery — Juried student photography prints, through March 30. Lee Ann and Dennis Kennedy, pottery, through March 31.

Black Cultural Center — Smithsonian Travelling Exhibit on James Weldon Johnson, Black lawyer, politician, poet and diplomat.

HUB, Art Alley — Until April 1, photos of John Hummel and George Imel. April 2-15, Ukrainian Church Exhibit.

Official

Monday-Wednesday, April 1-3 — File for Pass-Fail.

Monday-Wednesday, April 1-3 — File for Repeat Course.

Wednesday, April 3 — Preregistration deadline.

Wednesday, April 3 — Deadline for dropping courses.

Seven Alumni Fellows named

Seven Penn State alumni will return to the campus during the Spring Term to serve, for varying periods, as Alumni Fellows, an activity of the Penn State Alumni Association. The Fellows will take part in formal and informal contacts with students, faculty, and administrators.

Those invited include:

C. Lee Rumberger, of Mt. Lebanon (near Pittsburgh), retired vice president for development, H. J. Heinz Co. and past president of the Heinz Alumni plant in Mexico, April 1-3.

Fletcher L. Byrom, Pittsburgh, chairman of the board and chief executive officer of Koppers Co., Inc., April 2-4.

John Troan, Pittsburgh, editor of the Pittsburgh Press, April 2-5.

Vernon D. Garger, Madison, Wis., professor of physics, University of Wisconsin, April 7-11.

J. David Lockard, College Park, Md., professor of science teaching and associate professor of botany, University of Maryland, April 10-12.

Ronald R. Oveson, Pittsburgh, dean of the Duquesne University law school, April 22-24.

Don Taylor, Hollywood director and actor, May 4-11.

Nine alumni have served previously in the program. Each participant receives the permanent title of Alumni Fellow and is given a plaque and certificate signed by the president.

For benefit of Cancer Society

Mike Reid plays piano in Rec Hall

Penn State's All-American football player, pianist of note, and now a star of the Cincinnati Bengal's football team, will give a piano program, suited to all ages of listeners, for the benefit of the American Cancer Society Thursday, April 11, at 7:30 p.m. in Rec. Hall.

Tickets, which may be obtained for a \$2 donation, are currently available at the HUB desk, at the Cancer Society office, 336 S. Fraser St., and at all McLaughlin and Danks stores.

Reid, who has given many public performances, intersperses his piano playing with stories about his football playing days, and entertains to sellout crowds. Beta Sigma Rho fraternity is sponsoring the event for the Cancer Society benefit. Out-of-town patrons may obtain tickets by mail from Beta Sigma Rho, P. O. Box 828, State College, Pa., 16801, without any postage or handling charge.



Mike Reid, All-American, pianist.

NEWS—

(Continued from page one)

Free-U is sponsoring his visit. Kulvinkas gave up a career in teaching of computer programming at the age of 29 in order to study the healing arts, natural living, and yoga disciplines. He is the author of "Love Your Body" and "Survival in the 21st Century."

POSTERS ABROAD

The Fifth International Poster Biennale in Warsaw, Poland, will have three posters by Lanny Sommese, assistant professor of graphic design, department of art. The posters will also be included in a two-day travelling exhibit and in the competition display in the Zacheta Art Gallery, Warsaw. The three posters were designed for various University functions.

IN INSTITUTE

Harry S. Coblenz, associate professor of urban planning, is one of 42 scholars invited to take part in the Third Advanced Studies Institute in Regional Science, as part of the European Regional Science Congress at Karlsruhe, Germany, in August. The Institute will center on "Frontiers of Regional Science: Theory-Problems-Planning" and will attract economists, planners, and others in geography, political science, and systems engineering.

WEAVERS DEMONSTRATION

A variety of weaving techniques, on looms and spinning wheels and in primitive styles, will be demonstrated by the State College Weavers Thursday, April 4, from 11 a.m. to 3 p.m. In the Kern Graduate Building lobby, Madeline Vonsada will show an off-loom technique of primitive weaving on a spinning loom; Char Gregg and Carol Brubaker will show four-harness looms; and Jean Giddings and Carol Stickell will use a spinning wheel. A display of contemporary yarns of brilliant colors and fine texture will be shown.

HERSHEY FACULTY

Drs. Alphonse E. Leure-duRue, assistant professor of anatomy, and Lynnard J. Slaughter, postdoctoral fellow in comparative medicine at the Hershey Medical Center, have been appointed to the Faculty Fellowship Program for Minority Group Members by the Josiah Macy Jr. Foundation, which established the Program in 1970 for Black, Mexican-American, mainland Puerto Ricans, and American Indians

who are full-time faculty members in schools of medicine and public health. The purpose is to identify and aid young medical scientists who have a demonstrated potential for leadership in academic medicine and public health.

MICROFORM HOURS

The Microforms Department, Room 6 East Pattee, of the University Libraries, is now observing the following schedule of hours: Monday to Thursday, 7:45 a.m. to 10 p.m.; Friday, 7:45 a.m. to 5 p.m.; Saturday, 1 p.m. to 5 p.m.; Sunday, 2 p.m. to 10 p.m.

BERKS SUMMER THEATRE

Musical shows are being planned by the Berks Campus for its summer theatre program. Directed by William Angstadt, a 1972 Penn State graduate who was active in Penn State Players and Thespians, the summer theatre program will run from June 18 through Sept. 1, with such shows as "Oklahoma" and "Anything Goes." Local performers will be augmented by professional actors and actresses from New York.

PRAY —

(Continued from page one)

velopment work, investigation of glues and varnishes, rather than research."

While working in New York, he took up a new hobby — ballroom dancing — and upon transferring to a school where Latin dance was taught, he met a friend of his instructor, a young Cuban girl named Carmen who soon after became Mrs. Pratt.

About this time, Pratt Institute in Brooklyn had job openings, and Dr. Pray, who had become enamored of New York, accepted it.

"The students were absolutely wonderful," he continues. "My freshman classes were reminiscent of graduate seminars at Minnesota, and I had difficulty finding a first-year chemistry book that was challenging enough for them. The trouble was that as the years passed, living in the city became more and more difficult. My son, Alfred, was about six by this time, and I was paying more for his kindergarten at a private school than I had paid to attend college. Then my neighbor's first grader was robbed on the way home from school, and my wife and I decided we didn't want Alfred to have to cope with this sort of thing. We decided to look for a sociologi-

Town Day

University students, through the Organization of Town Independent Students, seeking to promote a better understanding between students and the community, have invited 60 community leaders to take part on April 9 in "Town Day," during which they will visit the campus and interact with students.

The program was developed as a result of the realization that the only interaction between students and townspeople has been within the limits of the downtown businesses, offices and organizations. Plans call for the visitors to arrive on campus in mid-morning where they will meet with the student escort assigned to them. After lunch in several dining hall areas, they will visit buildings and classrooms in the general area of the residence halls.

An evening banquet is scheduled in the Terrace Room of the Hetzel Union Bldg. Guests will include Dr. John W. Goswold, University president; Thomas M. Switzer, of Lock Haven, OTIS president, and other University officials and OTIS representatives.

Hazleton has TV science quiz

The Hazleton Campus's fourth annual "Science Countdown Quiz Series," which is broadcast over WVI-TV, the public television station in northeastern Pennsylvania, began last week, designed to stimulate interest in the sciences.

An elimination-type science quiz for high school students, the production of the series is under the guidance of M. Leonard Shaevel, assistant professor of physics, and Ernest F. Haessler, assistant professor of mathematics. The entire science faculty is involved in the production.

Schools, represented by three students

Gym workshop

A workshop related to the judging of women's gymnastics events will be conducted April 20 as a Continuing Education activity of the College of Health, Physical Education and Recreation to acquaint high school girls' gymnastics coaches, physical education teachers, students, team members, and anyone else interested with the rules for girls' gymnastics event judging as adopted by FIG and the PIAA.

Elizabeth Hanley, instructor of health and physical education, is director of the workshop and demonstrations will be provided by members of the Penn State women's gymnastics team, which has been enjoying good success this year in collegiate competition.

The final registration for the event will take place from 9 a.m. to 10 a.m. April 20, but pre-registration may be accomplished by completing a form available from the conference coordinator, Patricia Ewing, at 865-7557. A registration fee of \$5 is charged to the general public but a special student fee is \$2.

each, vie for the right to compete in the Grand Final Round, which will be held June 21. Members of the winning school's team will each receive a \$500 educational scholarship to the college or university of his choice; students of the second and third place teams will receive \$200 and \$100 scholarships. Trophies will be given to each of the top three schools.

Twenty seven high schools will be represented in the series. The funds for the scholarship awards and operating expenses were donated by local industries, banks, professional people and organizations in the area.

Conference on law at Delaware

"The Rule of Law: Reflections on American Society" is the topic of the Second Conference of the Colloquium for Social Philosophy to be held at the Delaware County Campus April 16-17.

The Conference will relate to such questions as: "Should law primarily protect the structure of society or provide the peaceful means for social change?" "Can morality be legislated?" "Can law educate men to a life of justice," with a variety of speakers, discussants, and general participants.

The principal speaker at the first session Tuesday, April 16, at 1 p.m. at the Campus will be Dr. King V. Cheek, Jr., president of Morgan State College, on the subject "Education, Law and Society." Aaron Duckman, associate professor of philosophy at University Park, will be chairman of the session, and respondents will include Dr. Gladys Ritchie, associate professor of speech communication at the Delaware County Campus, Dr. Martin W.

Sharp, Jr., assistant professor of elementary and secondary education.

At the session Wednesday at 9 a.m. Dr. Beryl H. Levy, professor of philosophy and social sciences at Hofstra University, will present "Justice, Law and Order," and one of the respondents will be Dr. Landon C. Burns, professor of English at Delaware. Another respondent will be Ambassador Richard L. Kearney, Office of the Legal Adviser, U.S. Dept. of State.

The closing remarks for the conference will be by Dr. Donald P. Verene, associate professor of philosophy at the University Park Campus.

The Colloquium, which is sponsoring the conference, was developed in 1972 by the Delaware County Campus, "to facilitate regional scholarly activities in the broad field of social philosophy." Not only are academic people of the area involved, but so are community leaders and other citizens, to work on problems of man and society.

how to clean, oil and repair them. Of course, that made me an expert! Then one night at a party, a faculty wife asked me about a treasured wristwatch her father had given her when she was a little girl. Unfortunately, she had washed it in the machine and then mashed it in the wringer. When she brought it to me, it was flat as the proverbial pancake and completely rusted out.

"I sent it to someone who remade watches and refinished dials and ordered several hand replacement movements. When I actually handed it back to her, the metal of the dial and the case was all that was left from her father, but as far as she was concerned, it was a miracle worker! People still bring me watches or clocks to me but I'd rather just diagnose the trouble instead of actually doing the repairs."

Dr. Pray has one further hobby of note—bookbinding, which he stumbled into because his technical manual on watches wouldn't lie flat when open. While he was contemplating this problem, Minnesota's library happened to be getting rid of some old bookbinding equipment, so he bought it and began to try his skills.

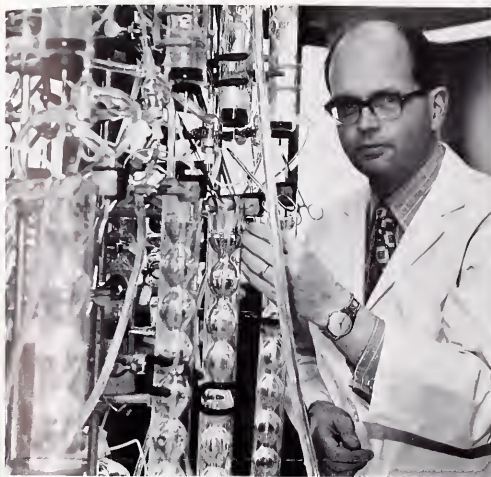
"I like keeping a lot of things going," he says. "I'm sure I'll never stop developing new interests."

PENN STATE intercom

Volume 3, Number 29

April 4, 1974

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule



Dr. Howard E. Morgan, Evan Pugh Professor of Physiology, with perfusion apparatus, which keeps rat hearts beating while they are being studied, in research on ischemia.

A full-time job, 24 hours a day, for Dr. Morgan

Teacher, researcher, administrator

In 1944, when he was a junior in high school, Dr. Howard E. Morgan decided that since he wasn't very busy, he might as well finish up the same year. Although the LeRoy, Illinois, school refused to give him his diploma early, he was allowed to enroll that summer at Illinois Wesleyan.

The College let him take 20 credits a term, so by the time he'd finished his first year, Hershey's new Evan Pugh Professor of Physiology needed only about 20 more hours of science to enter medical school. He sent in just one application, to Johns Hopkins, was interviewed by the dean of Northwestern's Medical School, and a week later had an acceptance.

That summer, he finished up all of organic chemistry, half of the physics requirement, and embryology. He graduated from high school in May, 1945, and entered Johns Hopkins in September.

Although some students who have compressed college and medical school into a five-year program later report feeling they've missed out on essential areas of education, Dr. Morgan has no such regrets.

"It there's a subject you really want to learn about, you can pick it up on your own eventually," he says. "I think kids get turned off by lengthy training programs which never seem to let them tackle the job they want to do."

Dr. Morgan's career proves his point. Although he is now one of the world's leading experts on the regulation of heart metabolism, he started out in clinical medicine practicing obstetrics and gynecology. He took his residency in this area at Vanderbilt after graduating from Johns Hopkins at 21 and continued in it during the two years he spent in the Army.

"Obstetrics in the fifties was not a research-oriented specialty," he points out. "The people running departments didn't have that kind of background."

Dr. Morgan got started on the research side in 1957 after returning to Vanderbilt where he took a fellowship under physiologist Charles Rawlinson Park in order to study diabetes and the action of insulin. That led him into the work on the biochemistry of the heart which has occupied him ever since.

By 1966, he was a full professor of physiology at Vanderbilt himself, but he was eager to run his own department.

"Although I had had offers and looked around," he recalls, "I found that most of the older schools had faculties who had been there a long time, and the freedom to develop one's own department was limited. When Hershey made me an offer, I accepted because it was a new medical school and could offer me that freedom."

Dr. Morgan received the first research grant made to Hershey — \$29,700 from the Life Insurance Medical Research Fund.

"When Hershey was first established, it did not have a research-oriented image," he notes. "The biomedical research community envisioned us sitting in the middle of a cornfield training general practitioners. I believe that a medical school has an obligation to train physicians whose backgrounds allow them a wide range of career choices, including family practice and other forms of health care and not excluding good Ph.Ds. Family care and research are both important, and they don't have to be mutually exclusive."

Dr. Morgan helps foster the research side of Hershey's image through a wide range of outside activities. He is editor of "Physiological Reviews," the most frequently quoted journal in the biological literature, a member of the editorial board of the "Journal of Biological Chemistry," and president of the Association of Chairmen of Physiology Departments. Last year, among the many trips which he took to pro-

(Continued on page two)

News in brief

NAMED FELLOW

Dr. Robert K. Murray, professor of American history and a member of the faculty since 1949, has been named Fellow of the Institute for the Arts and Humanistic Studies. The election is considered symbolic of the national or international reputation that a scholar or artist has acquired in his discipline, and it permits the faculty member to continue his work with the support and sponsorship of the Institute.

Dr. Murray has written three books: "The Red Scare: A Study in National History 1919-20"; "The Harding Era: Warren G. Harding and His Administration"; and "The Politics of Normalcy."

TICKET APPLICATIONS

Faculty and staff members have received in the mail applications for tickets for Penn State's 1974 football season. Six home games are scheduled. Those who did not receive an application may obtain one from the Athletic Ticket office, 237 Recreation Building, University Park, Pa. 16802. Applications for single game tickets will not be accepted until after May 15.

TRAVEL GRANT

Graduate students planning to spend a month or more in France this summer or fall might be encouraged to apply for a \$500 travel grant to be provided by L'Alliance Francaise, the local area organization interested in things French.

The grant will be made to a graduate student on the basis of the significance of the activities planned in France during the stay, the person's general scholarly competence, and need.

In making application, the student should supply a letter of application, describing the planned activities, itinerary, transcripts, two letters of recommendation,

and a letter of nomination from the department head of the student's major field.

Deadline for receipt of these materials is April 15; they should be sent to Room 317 Kern.

L'Alliance Francaise will announce the award in May.

BOWLING TOURNAMENT

Stall members, faculty and students are eligible to compete for trophies in the Second Annual Rec Hall Bowling Tournament April 27 to May 25. Entries are due by April 17 at the Rec Hall lanes for team, doubles, singles, and all-events competition. A \$2 entry fee per event will be charged (\$10 per team, \$4 per doubles team, \$2 for singles, and \$2 for all-events). Both handicap and scratch prizes will be awarded; handicaps must be certified, based on 180 score, but may be from any of the area lanes, not necessarily Rec Hall. Last year's event, the first, brought in 29 teams, 45 doubles, 68 singles, and 40 all-events entries.

HAZLETON FESTIVAL

The 16th annual Oral Interpretation Festival of the Hazleton Campus will be held Friday, April 5, at 7:15 p.m. This event, sponsored by the Belles-Lettres Literary and Cultural Student Society, attracts senior high students from Luzerne, Carbon, Columbia, Northumberland, and Schuylkill counties each year. Anyone wishing free tickets may call Prof. Andrew Kafka, faculty advisor to the Society, at (717) 454-8731.

CAPITOL EXHIBIT

The work of nine young artists is currently on display at Capitol Campus (re-opening until April 19). The artists, all of whom have received awards at various juried exhibitions throughout Pennsylvania, are represented by their paintings, drawings, prints, and sculptures selected for the exhibit by Maya Schock, part-time art instructor at the campus.

The International Student Program

Statement of President Oswald regarding programs and services for international students:

President Oswald met March 29 with three of Penn State's international students, Jose Bashbush, Seewoonundun Bunjun and Evan Davis who were representing a large number that had expressed their concern about separating the services afforded to the international students from the program center for foreign students at the Kern Building.

After discussion, the President indicated to the three students that he would ask Vice-President Raymond O. Murphy to re-establish the service aspect of the international student program in the Kern Building, on a temporary basis during the Spring Term. This would provide a period during which Vice-President Murphy and the Acting Director of the program, Dr. Craig Miller, could meet with Mr. Bashbush, Mr. Bunjun and Mr. Davis and members of the International Student Council (presidents of the foreign student groups) to consider each of the services and how best these could be organized for the benefit of the students. Dr. Oswald asked that the students consider the several services, not only for those foreign students living in McKee Hall but for those living in Atherton Hall and off campus as well.

The President encouraged the foreign student delegation to make active use of the International Student Center in the Kern Building for programs of their respective clubs and also emphasized to the representatives the importance of strengthening programs that would maximize the opportunity for interchange between foreign student groups and American students. In this connection, he indicated that he was asking Vice-President Murphy and Dr. James B. Bartoo, Dean of the Graduate School, to consider jointly with the foreign student advisory group and appropriate representatives of the Graduate Student Association ways and means of enhancing the use of the Center in this regard. It is very important, the President said, for our students to have opportunity to learn and understand from foreign students about their cultures, and also of foreign students to learn as much as possible of the American culture.

Dr. Oswald asked that both of these considerations be completed and recommendations prepared by the end of the Spring Term so that permanent decisions could be made prior to the beginning of the Fall Term of 1974.

In writing

Ernest R. Weidhaas, assistant dean for Commonwealth Campuses in the College of Engineering, is author of "Architectural Drafting and Construction," published by Boston Publishing House, Allyn and Bacon, Inc. The text is intended for the technical institute student studying architectural drafting, and it includes chapters on the drafting, design and construction of residential and commercial buildings of wood, masonry, concrete or steel. It is one of the first of the publications based on new softwood lumber standards and the new AISC structural steel standards. Concurrently an Instructor's handbook, keyed to the textbook, has been published; it includes lists of available movies, slides, demonstration models and wall charts. Weidhaas, who is also head of the Department of General Engineering, is author of five other books.

Dr. Graham B. Spanier, assistant professor of human development in the Division of Individual and Family Studies, and Robert F. Winch, professor of sociology at Northwestern University, are co-editors of "Selected Studies in Marriage and the Family," 4th edition, recently published by Holt, Rinehart, and Winston.

The volume is a collection of the best available research articles and essays on the sociology and the social psychology of the family. Preceding the selections is an introductory essay by the editors on the methodology of social science, followed by a general theory of the family that gives the student the appropriate background needed to understand the selections.

The volume contains a particularly timely discussion on changing and emerging family patterns in America and a selection containing systematic coverage of socialization with respect to sex-roles.

More than one-fourth of the articles in this collection have a cross-cultural emphasis.

Auditorium

The opening of the University Auditorium, the new 2600-seat facility on Curtin Road north of Pollock Road, is planned for May 8, 10 and 11, to accommodate what are expected to be large audiences for the performances by the Pittsburgh Symphony, the University Chorus, and four guest soloists of Beethoven's Ninth Symphony.

Complete ticket information for these performances will be given later, but the box office at the Auditorium will open Monday, April 23, for the sale of these tickets, with a schedule of Monday through Saturday, 10 a.m. to 6 p.m. The event is sponsored by the Artists Series.

Dr. Walter H. Walters, director of University Arts Services, says that procedures for the scheduling and use of University Auditorium currently are being formulated, and the complete details will be published in INTERCOM when completed.



Service Awards in Engineering

Dr. Arthur D. Bruchman, (above center) professor of mechanical engineering, joined the faculty as instructor in July, 1946 (he was on leave several times). He was graduated in 1942 from the University of Minnesota, with high distinction, earned his M.S. degree at Penn State, in 1946, and M.E. degree at M.I.T. in 1956. His Ph.D. was conferred by the University of Michigan in 1963. He won the C. R. and Mary F. Lindback Award, Penn State's highest honor for excellence in teaching, in 1967; two years earlier he had been honored by the Allegheny Section of A.S.E.E. for the same reason. He has taught both undergraduate and graduate courses in machine dynamics and automatic controls and is co-author of "Mechanical Measurement and Instrumentation." With him, as Engineering Dean N. J. Palladino makes the presentation of the University's Service Award, is Dr. Donald R. Olson, head of the mechanical engineering department.

Julius De Carolis, associate professor of mechanical engineering, (also with Drs. Olson and Palladino), was appointed to the Engineering Experiment Station staff in 1946 as research assistant, accepted a position at the University of Illinois a year later, then returned to Penn State in June, 1949, as assistant professor of engineering research. He was placed in charge of the mechanical engineering laboratories in 1966. A 1939 graduate of Penn State, he received the M.S. in mechanical engineering in 1946.

William A. Dunn, associate professor of General Engineering, is assistant to Robert E. McCord (left) assistant dean for Continuing Education in Engineering. Dunn has also held staff positions in administration at the NSF. Academic year teaching in engineering. He is a subject matter specialist for development in quality control in the Continuing Ed program in engineering for the entire state, is concerned with in-plant programs, correspondence courses, and seminars. He is a 1948 graduate in industrial engineering and joined the Allegheny Campus staff in 1948 as assistant professor for associate and baccalaureate degree programs in math and engineering.

TEACHER—

(Continued from page one)

fessional meetings and to deliver papers, he also visited the Soviet Union under the auspices of the National Heart Institute to set up a collaborative effort in myocardial metabolism between Russia and the U.S.

Along with his administrative duties at Hershey and an active career as a researcher, this regimen adds up to what Dr. Morgan calls "almost a full time job — like 24 hours a day."

In his research, Dr. Morgan is studying two problems. The first involves factors regulating the growth of the heart, particularly in response to increased work. This situation may occur in people with hypertension where the heart enlarges or among those who lose part of their heart muscle because of myocardial infarct. The remaining muscle must then hypertrophy to maintain normal function.

"We are investigating the factors that control the synthesis of proteins in the heart and also their breakdown," Dr. Morgan explains. "If the heart is going to grow, it has to make the constituents at a faster rate than it degrades them. The average life of a protein in the heart is only about six days, so every two to three weeks, the heart has been replaced by new protein. It's a very dynamic process.

"Our other principal interest lies in trying to protect muscle that does not get normal blood flow as in coronary artery disease. This is called ischemia of the heart. We hope to identify changes that lead to death in the cardiac muscles and to find ways to allow the muscle cells to survive or maintain better function after a person has had a heart attack."

Dr. Morgan and his associates study heart metabolism through perfusion, in a process where the heart is removed from a rat and kept alive for several hours on an apparatus outside the animal's body. In the area of ischemia, this research has shown that a reduced flow of blood to the heart is much more destructive than reduced delivery of oxygen. Oxygen can be reduced and normal coronary flow still maintained.

"The real key lies in finding the stimulus which connects increased work by the heart to its growth," Dr. Morgan points out. "This is still not understood on a biochemical level. If we could understand it, we would have the ability to help the heart form more muscle protein and thus be able to compensate for an increased workload in patients who have had heart failure. If part of the muscle was lost during an attack and turned into scar tissue, the remaining muscle could grow and take over its functions."

Appointment



Dr. Walter G. Braun has been appointed assistant dean for instruction of the College of Engineering, succeeding Dr. Otis E. Lancaster, who will retire June 30 as associate dean but is expected to remain as George Westinghouse Professor of Engineering Education. In his new position, Dr. Braun has been serving as assistant dean for student instruction (University Park), will be in charge of the instructional program for engineering throughout the entire Penn State System. He is professor of chemical engineering and has been a member of the faculty since 1947. He has a graduate of Cornell University and holds advanced degrees in chemical engineering from Penn State.

Funding Opportunities

Instruction—Research—Continuing Education—Fellowships

For more information and funding source information, call 865-1372.

April 4, 1974

(123-1) Student to synthesize and interpret existing educational and development knowledge will be supported by the National Institute of Education (NIE). Priority topics include: testing and evaluation, early childhood education, school finance, individualizing instruction, career development, teacher education, student learning, adult and continuing education programs, equal educational opportunities and new approaches to education, and planning. NIE wants to improve existing school programs and implement new ones, by furnishing education practitioners and decision makers with appropriate R&D information. Proposals should be aimed at specific audiences (for example, administrators or teachers), should describe key R&D findings, describe relevant, on-going programs, discuss program risks, practices, and alternative theories; or describe demonstration projects in which research results were applied. Proposals will require about six months to complete and may start as late as Sept. 1974. The proposal deadline is expected to be April 23, 1974. For additional information contact: Milburn J. Thorne, Office of Dissemination and Resources, NIE,

Washington, D.C. 20038 (202)254-6560. (Ref: CFAO 13.575) (NSFR 10639-3-1/74)

(123-2) The National Institute of Education (NIE) intends to open a competition for grant awards based on the study of potential of various organizational arrangements that continually improve urban schools. Proposals must deal with public schools or clusters having a 50% student enrollment from low income families located in a large city. Philadelphia and Pittsburgh are included in the list of 50 cities cited. The NIE Research Program on Organizational Strategies for Improving Urban Schools will initially support programs to accomplish this objective. In a follow-on program, contracts will be laid for documentation and evaluation analysis in order to assist other schools considering similar problems. Under the grant program, "problem-solving" activity will be supported such as: problem identification, devising solutions, implementing solutions, and monitoring performance. Proposals which extend, re-focus, or add components to existing activities will be favored. NIE anticipates 3-year projects. The proposal deadline is April 22, 1974. For additional information, contact: Mrs. Judith Cherrington, Philadelphia on Local Problem-Solving, Room 639, NIE, Washington, D.C., 20038 (202)254-6497. (Ref: CFAO 13.575) (NSFR 10640-3-1/74)

erty on Local Problem-Solving, Room 639, NIE, Washington, D.C., 20038 (202)254-6497. (Ref: CFAO 13.575) (NSFR 10640-3-1/74)

(123-3) Under its Experimental Projects and Problem Assessment (EPPA) program directed toward the improvement of science education, the National Science Foundation has issued a two-part guide (E-74-27) — for preparation of formal proposals and for operation of experimental projects and problem assessment studies. As a first step, preliminary proposals must be submitted to NSF. Those found eligible may proceed to the formal proposal process. EPPA studies are formulated to solve problem-identified problems in science education. The same projects may be designed to test the mechanisms for increasing the availability of high school project activity as part of the curriculum.

(123-4) The Special Action Office for Drug Abuse Prevention issues requests for proposals (RFPs) for three major drug abuse prevention programs: Pharmaceutical Research, Planning and Coordination Functions, and Incentives Program

(Special Fund). Pharmacological research is long-term effort geared to develop non-addictive agents, new agents, and substitute alternatives; present analyses; planning and coordinating research; and applying research results to drug abuse prevention. The incentives program (special fund) is to finance special studies and evaluations to improve programs and service in drug abuse prevention. The incentives program (special fund) is to finance special studies and evaluations to improve programs and service in drug abuse prevention. The incentives program (special fund) is to finance special studies and evaluations to improve programs and service in drug abuse prevention. REMINDERS — DEADLINE DATES: April 15 for NEH Museum Programs' Exhibition Program (March 7 INTERCOM #119-4). April 15 for NSF Two-Way Communications Experiment (May 14 INTERCOM #120-2). April 15 and 16 for OE Shugart's research Field Initiated Research for Handicapped Children (March 28 INTERCOM #122-1). May 5 extended for OE Ethnic Heritage Study Program (Feb. 26 INTERCOM #118-2). June 1 for NEH Research Grants (March 9 INTERCOM #119-2). May 6 for NEH Research Grants (March 17 for NEH Fellowship Grants (March 3 INTERCOM #121-3). June 1 for NEH Film/TV Program (March 7 INTERCOM #119-4). June 1 for FOD Food Research Training Grants and Programs (March 21 INTERCOM #120-4). June 1 for NEH Selective Fellowship Program (March 14 INTERCOM #120-4).

University Calendar

April 4-14, 1974

Items to be included in this calendar should be sent to the editor, Room 312 Old Main, by Thursday of the week preceding publication.

Special Events

Thursday, April 4 — Sports: Men's tennis, vs. Georgetown, 3 p.m.
Thursday-Saturday, April 4-6 — Sports: NCAA gymnastics championships, Rec Hall.
Thursday-Friday, April 4-5 — 5 O'Clock Theatre, "Sunset Inn," Thursday at 5:20 p.m., Friday at 7:20 p.m., Pavilion Theatre.
Thursday, April 4 — Premiere of film, "Jazz Dance," 8 p.m., Room 112 Kern.
Thursday, April 4 — Nutrition Workshop on Obesity, 8 p.m., Room 101 Kern.
Thursday, April 4 — Weaving demonstration, State College Weavers, 11 a.m.-3 p.m., lobby, Kern.
Friday, April 5 — Alard String Quartet, 8:30 p.m., Music Bldg, recital hall.
Friday, April 5 — University Readers performance, 8 p.m., Room 112 Kern.
Friday, April 5 — Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.
Saturday, April 6 — Penn State Singers concert, 8:30 p.m., Schwab.
Saturday, April 6 — Sports: Men's golf, vs. Navy-Columbia, 1 p.m.; Men's rugby,

by, vs. F&M. Women's lacrosse, vs. Frostburg, 1 p.m.; Women's tennis, vs. Wilson, 10 a.m.

Sunday, April 7 — Sports: Men's baseball, vs. Ithaca, 1 p.m.

Sunday, April 7 — Artists Series, Chekov's "Uncle Vanya," film, 8:30 p.m., Schwab.
Sunday, April 7 — University Readers performance, 8 p.m., Room 112 Kern.

Sunday, April 7 — Graduate Commons Improvisational Theatre, 8 p.m., Room 112 Kern.

Sunday, April 7 — Chapel Service, 11 a.m., Eisenhower Chapel. Donald M. Crider, Religious Studies.

Sunday, April 7 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

Sunday, April 7 — Eastern Orthodox Divine Liturgy, 10 a.m., HUB assembly room.

Monday, April 8 — Sports: Women's lacrosse, vs. Hartwick, 2 p.m.

Monday, April 8 — Graduate Commons Improvisational Theatre, 8 p.m., Room 112 Kern.

Tuesday, April 9 — Sports: Men's lacrosse, vs. Franklin and Marshall, 8 p.m.; Men's tennis, vs. Columbia, 3 p.m.

Tuesday, April 9 — GSA Workshop on Vegetable Gardening, 7:30 p.m., Room 112 Kern.

Tuesday, April 9 — "Crossroads," Lenten Meditations, 12 and 12:35 p.m., The Rev. Bob Boyer.

Tuesday, April 9 — East Asian Festival film, "The Bad Sleep Well," 7:30 p.m., Room 215 Hammond. Free.

Wednesday, April 10 — Musica da Camera, 8:30 p.m., Music Bldg, recital hall.

Wednesday, April 10 — Talk, "The Art of Lighting," by Gerald B. Ewing, 8 p.m., Schwab, with film, slides, readings, and dances.

Wednesday, April 10 — Sports: Men's tennis, vs. Bucknell, 3 p.m.

Wednesday, April 10 — Nonline Concert, 12:15 p.m., lobby of Kern.

Wednesday-Friday, April 10-12 — Five O'Clock Theatre, "Temple of Gold," Wednesday and Thursday, 5:20 p.m., Friday, 7:20 p.m., Pavilion Theatre.

Thursday, April 11 — Sports: Women's softball, vs. East Stroudsburg (scrimage), 3 p.m.

Thursday, April 11 — East Asian Festival performance, "An Evening of Asian Dance," traditional dances from China,

Japan and Korea, 8 p.m., Room 112 Kern.

Thursday, April 11 — "An Evening of Music and Conversation with Mike Reid," 7:30 p.m., Rec Hall. American Cancer Society benefit presented by Beta Sigma Rho.

Thursday, April 11 — "Crossroads," Lenten Meditations, 12 and 12:35 p.m., Eisenhower Chapel. A special Maundy Thursday "Celebration," The Rev. Ned Weller, celebrant.

Friday, April 12 — Campus 4-H Square Dance, 8 p.m., HUB Ballroom.

Friday, April 12 — Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

Friday, April 12 — Folk and Square Dance Roundup, 7:30 p.m., North Gym White.

Saturday, April 13 — Sports: Men's baseball, vs. Rutgers, 1 p.m.; men's tennis, vs. Rochester, 2 p.m.; rugby, vs. Maryland; Llantion Llytton craft and field displays.

Sunday, April 14 — Chapel Service, 11 a.m., Music Bldg, recital hall. Service of Music and Lessons by Chapel Choir.

Sunday, April 14 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

Seminars

Thursday, April 4 — Agronomy, 3:30 p.m., Room 301B Ag. Adm. Bldg.; R. Stutzman on "No Tillage — A Method of Seeding Legumes into a Chaps Sward."
Thursday, April 4 — Urban Transportation and Air Pollution Control, 2:20 p.m., Room 112 Kern. Wolfgang Meyer, mechanical engineering and head, Automotive Research Program, Pennsylvania Transportation Institute, on "Emission Control Problems and Solutions in the Auto Industry."

Thursday, April 4 — Chemistry, 12:45 p.m., Room 310 Whitmore. Gary M. Heflie, University of Indiana, on "Basic and Practical Investigations of Flame Spectrometry."

Thursday, April 4 — Meteorology, 3:55 p.m., Room 26 Min. Sci. Dr. H. Tennekes, aerospace engineering, on "2-D and 3-D Turbulence."

Thursday, April 4 — Engineering Acoustics, 4 p.m., Room 71 Willard. Kenneth P. Roy on "Sound Power Measurements in Reverberant Rooms."

Thursday, April 4 — Anthropology and Religious Studies, 3 p.m., Chapel lounge. Victor Turner, University of Chicago, on "Pilgrimage and Communities: Pilgrimage from the Inside."

Thursday, April 4 — Remote Sensing, cancelled.

Friday, April 5 — Religious Studies and Geography, 4 p.m., Room 26 Deike. Victor Turner on "Iconophily and Iconophobia in Western Christian Pilgrimages: Pilgrimage Types and Dynamics."

Monday, April 8 — Computation Center, 7:30 p.m. JCL (5), Room 110 Osmond, Graphics (5), Room 228 Computer Bldg.

Monday, April 8 — Plant Pathology, 9:45 a.m., Room 213 Buckhout. James Meyer on "Localization of Plant Infection."

Monday, April 8 — New Communities, 2 p.m., Room 322 Sackett. Peggy Wireman, Office of New Communities, HUD, on "Issues in Social Planning of New Communities."

Monday, April 8 — Religious Studies, 4 p.m., Eisenhower lounge. Victor Turner, Professor of Social Thought, University of Chicago, on "Localism and Universalism: The Case of St. Patrick's Purgatory in Ireland."

Monday, April 8 — (Special) Meteorology, 3:55 p.m., Room 26 Min. Sci. Dr. John A. Reagan, University of Arizona, on "Optical Remote Sensing of Aerosols at the University of Arizona: An Update."

Tuesday, April 9 — Comparative Literature luncheon, 12:15 p.m., HUB dining room "A". Gregory Rabassa, visiting fellow,

Institute for the Arts and Humanistic Studies, on "Negritude in Brazilian Literature."

Tuesday, April 9 — Operations Research, 3:45 p.m., Room 267 Willard. Dr. Barbara Ryan, statistics, on "The Bus Paradox and Other Waiting-Time Phenomena."

Tuesday, April 9 — Religious Studies, 4 p.m., Eisenhower lounge. Victor Turner, Professor of Social Thought, University of Chicago, on "Marian Pilgrimages: Sacred Motherhood in Five Epochs."

Tuesday, April 9 — Solid State Physics, 1 p.m., Room 339 Davey. Dr. James Bray, University of Illinois, on "Quasi One Dimensional Systems and Paraconductivity."

Tuesday, April 9 — Translation, 8 p.m., Room 101 Kern. The seminar is sponsored by Comparative Literature and English Colloquium; the participants: In-Louis Hyslop, French; David Stewart, English; Gregory Rabassa, Visiting Fellow, Institute for the Arts and Humanistic Studies; Robert Lima, Spanish and comparative literature, Interceptor.

Tuesday, April 9 — Microbiology, 4 p.m., Room 52 Frear. P. Wais on "Host-Bacteriophage-Graduate Student Interaction with Agrobacterium tumefaciens."

Wednesday, April 10 — Computation Cen-

ter, 7:30 p.m. JCL (6), Room 110 Osmond; Graphics (6), Room 228 Computer Bldg.

Thursday, April 11 — Agronomy, 3:30 p.m., Room 301B Ag. Adm. A.D. Wilson on "Development of Analysis Techniques for ERTS-1 Digital Data."

Thursday, April 11 — Urban Transportation and Air Pollution Control, 2:20 p.m., Room 112 Kern. Robert Piper, LEX Systems, Inc., Menlo Park, California, on "Transportation, Air Pollution, and Urban Form: Is This Trip Necessary?"

Thursday, April 11 — Chemistry, 12:45 p.m., Room 310 Whitmore. Waldemar Adam, University of Puerto Rico, on "The Chemistry of Blotuminescence."

Thursday, April 11 — Engineering Acoustics, 4 p.m., Room 71 Willard. Walter F. King, Applied Research Lab., on "Flow Acoustics Studies in the Garfield Thomas Water Tunnel."

Friday, April 12 — Analytical Chemistry, 11:10 a.m., Room 333 Whitmore. Chih-Yuan C. Ting on "Charge Transfer Spectra and Ion Pairing of Cyclopentadienyl Salts."

Friday, April 12 — Geosciences, 1 p.m., Room 22 Deike. Ted Irving, Chief, Magnetism Division, Department of Energy, Mines and resources, Ottawa, on "Green-ville Paleomagnetism."

Exhibits

Museum of Art — Eighth Dulin National Print and Drawing Competition Exhibition. Gallery B, through April 10. Selections from the Permanent Collection, Gallery A. Bill Hanson, Harvard Paintings, opening April 7.

Zoller Gallery — Contemporary Chinese Paintings, through April 13.

Black Cultural Center — Smithsonian Traveling Exhibit on James Weldon Johnson, black lawyer, politician, poet and diplomat.

Chambers Gallery — Children's Group Show, through schools, until April 19.

HUB: Art Alley — Ukrainian Club exhibit, until April 15.

Films

Thursday-Saturday, April 4-6 — USG film, "Alice's Restaurant," 6:15, 8:20 and 10:30 p.m., HUB assembly room.

Thursday, April 4 — Free-J film, "Forbidden Games," 8 p.m., HUB ballroom.

Monday, April 8 — Graduate Commons America Film Series by Alistair Cooke, "America: The Promise Fulfilled and the Promise Broken," 12:05 p.m., Room 112 Kern. Also HUB assembly room, 2:15 p.m.

Wednesday, April 10 — Commonsplace Theatre, "David Copperfield," 8 and 10 p.m., Room 112 Kern.

Thursday, April 11 — Free-J film, "Day at the Races," 8 p.m., HUB ballroom.

Thursday-Saturday, April 11-13 — USG film, "Three in the Cellar," 6:15, 8 and 10 p.m., HUB assembly room.

Meetings

Monday, April 8 — College of Health, Physical Education and Recreation faculty, 7 p.m., Room 109 White.

Sunday — U.S.G. Supreme Court, 7:30 p.m., Room 203 HUB.

Mondays — O.T.I.S., 6:30 p.m., Room 203 HUB.

Mondays — USG Senate, 7:30 p.m., HUB assembly room.

Wednesdays — Academic Assembly, 7:30 p.m., Room 351 Willard.

Thursday — Hetzel Union Board, 7 p.m., Room 206 HUB.

Lectures

Thursday, April 4 — Walton J. Lord, art history, "Chinese Painting Yesterday and Today," 8 p.m., Zoller Gallery. Illustrated.

Thursday, April 11 — The Annual Ray H. Dotterer Lecture on Philosophy, 8 p.m., Room 101 Kern. Dr. Josiah Thompson, Haverford College, on "Who Wrote Kierkegaard's Books?"

Tuesday, April 9 — I.E.E.E. lecture, 7:30 a.m., Room 329 Electrical Engineering East. Kirby Watson, Reliance Electric Co., Pittsburgh, on "The Automatic 32 Programmable Controller." Displays also.

Tuesday, April 9 — Gregory Rabassa, visiting fellow, Institute for the Arts and Humanistic Studies, on "Beyond Magical Realism — Thoughts on 100 Years of Solitude," 8 p.m., Room 101 Kern.

Monday, April 8 — Gamma Pi Epsilon, women's pre-medical society, lecture, 8 p.m., McElwain plant lounge. Dr. Ira Klemens, health education, on "Getting Through Medical School and Loving It."



Penn State Singers

When the Penn State Singers, directed by Raymond Brown, professor of music, (at right) gives its annual Spring Concert Saturday (April 6), the program will include not only a variety of composers but diverse themes and combination of singers to sing them. Two medleys by P. D. Q. Bach will be included, one of them being "My Bonnie Lies with the Smiths," but then there will also be motets by Monteverdi and choral compositions by William Billings and four songs by Brahms. In all, the evening's music (in Schwab, doors open at 8 p.m., program at 8:30) will provide something for just about everybody who likes choral singing in the Renaissance-Baroque mode as well as that of the more contemporary Vaughan Williams.

The Arts—Chekhov film, lecture, theatre, dance

One of the greatest achievements of British 20th century theatre, the production of Chekhov's "Uncle Vanya," directed by Sir Laurence Olivier, will be presented in a filmed version as an Artists Series Special Event Sunday, April 7, at 8:30 p.m. in Schwab Auditorium.

Universally acclaimed by the critics when it was presented at the Chichester Festival, the production includes Sir Laurence, Michael Redgrave, Joan Plowright, Rosemary Harris, Sybil Thorndike, Max Adrian, Lewis Casson, and Fay Compton.

"No other production in England, or probably elsewhere, reaches so high a mark on so many different scores," the critics said, hailing it as "a living work of art perfect in every conceivable shade of detail."

Tickets are 50 cents for students, \$1.00 for non-students, and those not sold at the HUB Booth will be available at the door the night of the performance.

The current Five O'Clock Theatre production at Pavilion Theatre is "Sunset Inn," a one-act play by Michael Shapiro, senior

in English, directed by MFA candidate Tom Leak, graduate student in theatre arts. The play opened yesterday and continues today (Thursday, April 4) at 5:20 p.m. and tomorrow at 7:20 p.m.

Next week, April 10-12, the play will be "Temple of Gold," which was adapted from a William Goldman novel by Jill Landis, graduate student in theatre arts. Rodney Kemerer, also theatre arts graduate student, and Steve Hubickas, of WPSX-TV, will be performed Wednesday and Thursday at 5:20 p.m. and Friday at 7:20 p.m.

A 20-minute film, produced and directed by film instructor Christian Stoianovich and featuring Jean Sabatine's Jazz Dance Theatre will premiere today (Thursday) at 8 p.m. in Room 112 Kern.

Written by David Samuelson, the film documents rehearsals and warm-up sessions with jazz dance classes, culminating in a performance of "Angles of Impact" by the troupe.

Charles Shoemaker, a 1973 University graduate, directed the cinematography, and

narration is supplied by Carla White and David Aston-Reese. Film undergraduate Robert Fisher co-edited with Stoianovich. "A Portrait of Contemporary Jazz Dance" was made through the Department of Theatre and Film as a continuing education service of the College of Arts and Architecture.

Gerald B. Ewing, noted international authority on lighting and color theory will present an illustrated public lecture on "The Art of Lighting" Wednesday, April 10, at 8 p.m. in Schwab Auditorium. The psychological problems of lighting and its practical applications in visual design, psychology, and ecology are among the subjects Mr. Ewing will discuss. A frequent speaker at international conferences, his design credits include New York's Time-Life Building, Washington's Watergate, and Colonial Williamsburg.

The talk, which is sponsored by the Department of Architecture, will also include readings, live dance, and lighting demonstrations.

lion problems, Monday and Tuesday, April 29 and 30.

Dr. Mayer has served as a member of the Nutrition Division of the Food and Agriculture Organization of the United Nations (FAO), and as a consultant to FAO, World Health Organization (WHO) and UNICEF in technical missions in various continents. In particular, he led a technical mission to wartime Biafra in 1969. He is presently a member of the Protein Advisory Group of the United Nations System. He is also head of the United Nations Task Force on Child Nutrition.

As the Chairman of the National Council on Hunger and Malnutrition in the U.S., Dr. Mayer had a major role in calling the Nation's attention to the nutritional problems of the poor in America. In 1969, he was appointed Special Consultant to the President of the U.S., entrusted with directing the organization of the First White House Conference on Food, Nutrition and Health, which he chaired. He has since served as Chairman of the Nutrition Division of the White House Conference on the Aging. He is presently a member of the President's Consumer Advisory Council and Chairman of its Health Committee.

Lectures—literature, classics, nutrition

Gregory Rabassa, professor of Romance languages and comparative literature at Queens College will be Visiting Fellow of the Institute for the Arts and Humanistic Studies during the week of April 8th. His visit will be co-sponsored by the Department of Spanish, Italian and Portuguese and the Comparative Literature Program.

Rabassa's early work was in the field of Brazilian literature, dealing with the Black contribution to Brazilian letters. An outstanding translator of Latin American writing, Rabassa's credits include "100 Years of Solitude, Leaf Storm and Other Stories."

His major lecture, scheduled for the evening of Wednesday, April 10, at 8:00 p.m., in 101 Kern Graduate Building, is titled "Beyond Magical Realism: Thoughts on 100 Years of Solitude." On Tuesday, April 9th, he is scheduled for a talk to the Comparative Literature Luncheon Group on the theme of "Negritude in Brazilian Literature."

A round table discussion under the auspices of the English Colloquium has been planned to cover translation problems, market, uses of translation, etc. This event is scheduled for Tuesday, April 9th, at 8:00 p.m., in 101 Kern Graduate Building.

Rabassa will also participate in courses on Latin American Literature during his stay at Penn State.

J. Raymond Hawthorne, currently visiting professor of classics and retired head of the classics department at Bradford College, England, will discuss "The 1973 Production of the Bradfield Greek Play, Euripides' 'Bacchae'." Tuesday, April 9, at 8 p.m. in Room 111 Forum. The Bradfield productions of Greek classics, done by the students in Greek, are well known in Europe, and Hawthorne was language director for the Euripides play. During various stages of the production, films were taken, and the talk April 9 will follow a 20-minute showing of some of these scenes. The talk, therefore, may have interest not only to those concerned with the classics but to theatre production majors and faculty.

Dr. Jean Mayer, professor of nutrition at Harvard University and this year's Biological Science Lecturer, will present a series of three talks at the University Park Campus on the regulation of food intake, domestic, and international food and nutri-

Entrees sought for charity beer-race

A new "Masters" division has been added to the annual Phi Psi 500 race, a contest sponsored by Phi Kappa Psi fraternity for the benefit of a local charity. The race will be run April 27.

This year's "500" will aid the Centre County Day Care Program. In the previous five races, proceeds went to the Centre County Community Hospital, and the contribution in 1973 amounted to \$1,100.

Phi Psi "500" is a beer-drinking-running race, in which each contestant runs a course of 1.1 miles, stopping at six local bars and refreshing themselves with eight ounces of beer at each stop. The race ends at Phi Kappa Psi fraternity, 403 Locust Lane.

The rules state that cola may be substituted for beer, but, nevertheless, entrants must be 21 and able to show an LCD card. The "Masters" division was added this year — there are fraternity, sorority, and independent divisions also — to encourage more members of the faculty to participate, especially the joggers and those who have conditioned themselves by running. A "Master" is anyone 30 years or older. A total of 80 runners completed in 1972; the goal is to top 100 this year.

Each participant must have a sponsor (or sponsor himself) who pays \$10 for the privilege. Many downtown merchants take out a sponsorship, either for a specific runner or for a runner that Phi Kappa Psi will match. An additional incentive, each runner is given a Phi Psi T-shirt.

Trophies are awarded to the first three finishers in each division.

The winning time last year was 5:46, but the Masters' winner will be undoubtedly somewhat slower.

Those wishing to donate to the cause will be welcomed, especially at the foot of The Mall, on the day of the race, where a table will be set up to receive contributions.

Tax help program off to good start

The income tax information program instituted by Beta Alpha Psi, accounting honor fraternity, and the Accounting Club got off to a good start in March, not only first of the semester, but also the beginning of the 34 students to serve as sources of tax help, but also from the number of "customers."

Intended to help students by providing answers to income tax puzzles, the program demonstrated the need for such a service when in the first week the two of three information "specialists" manning the table in the HUB at any one time were busy almost constantly.

Beta Alpha Psi and the Accounting Club will continue the service until April 30 and may expand it to other areas of the campus, says Ted Backman, one of the project coordinators, in order to give more students the opportunity to obtain help.

The service does not include filling out income tax forms, but it does provide answers to some pretty tough questions. The accounting majors don't have the answer, they seek help from the advisor to the project, Dr. John P. Devereaux, assistant professor of accounting.

The service, on the first floor of the HUB, is provided Monday, third through sixth periods; Tuesday, two through sixth; Wednesday, three through sixth; and Thursday, two through sixth periods.

An odd place for picture-taking

George Bouwman, of the department of theatre and film, is riding a horse so he can get a "shot" for a mini-western, "Hangman," written and directed by film student Phil Stark. The "western" action took place in Brush Valley, with actors John Metzler, Oave Winter, and (behind horse), Clark Bouwman. "I'm not usually cameraman for a student film," Bouwman declares, "but it is my horse, and she wouldn't stand still for anyone else to make this shot from the henge's point of view." The film is expected to premiere later in the Spring Term, along with other new student films.



Staff vacancies

University faculty or staff members who are interested in any of the staff exempt or staff non-exempt jobs listed below may apply by calling Employment

JUNIOR RESEARCH AIDE, APPLIED RESEARCH LABORATORY — University Park

Responsible for providing routine engineering assistance with a variety of ARL projects. High school education plus equivalent of graduation from electronic technical institute plus one to two years of experience.

SPEECH CLINICIAN — Hershey Medical Center

Responsible for performing a wide variety of duties in the diagnosis, treatment and evaluation of persons with various speech difficulties and defects. Master's degree or equivalent in Audiology and Speech Pathology with adequate course

Owison, 655-1357 (Network Line 454-1357). Do not contact the ones having the vacancy. Applications will be accepted until 5 p.m., Thursday, April 4, 1974.

credits in speech-hearing to be certified by the American Speech and Hearing Association, plus one to two years effective experience.

MANAGER OF PATIENT ACCOUNT SERVICES — Hershey Medical Center

Responsible for establishing and directing patient account functions to include billing, credit, collection, and related activities involving third party and billing problems. Bachelor's degree or equivalent in accounting or business administration plus five to seven years of experience in hospital-patient accounts are included in directing collection.

THE UNIVERSITY IS AN EQUAL OPPORTUNITY EMPLOYER

General Stores

The many new items now stocked at General Stores can be seen in a new catalog which General Stores has had printed and distributed to all departments on campus.

Because of the long delivery time needed for electric typewriters, General Stores has ordered a supply of commonly used models and colors from IBM, and they will be available by June 1. They can be requisitioned with the standard "Requisition-Invoice" form G2.22. Because the supply is limited, all requests should be placed by May 1 to assure delivery by July 1.

PENN STATE intercom

Volume 3, Number 30

April 11, 1974

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

Faculty, Staff Salary Planning

STATEMENT BY PRESIDENT OSWALD ON SALARY PLANNING FOR 1974-75

When Governor Shapp announced the proposed state budget to the Legislature three weeks ago, President Oswald indicated that the University's highest priority would be funds for salary increases for its employees and for significant additional costs for staff benefits, in particular state retirement and Social Security.

Planning is now underway to make salary increases effective July 1. Toward this end, each administrative area is tentatively being allocated means needed to fund an average of 6.5 percent increase on all filled faculty and staff positions. An additional one percent will be reserved for further allocation after it has been determined where University-wide equity adjustments are needed between disciplines, between different pay plans, between campuses, or in reference to other factors such as affirmative action. Thus, the University is attempting to achieve an overall average salary increase for faculty and staff at 7.5 percent for 1974-75. An additional allocation will be provided for basic faculty promotions.

In planning for these salary increments, vice presidents, deans, campus provosts and directors have been given procedural guidelines which call for an allocation of approximately 55 percent of the estimated funds available for basic increases to help meet general inflation, with the remaining 45 percent to be allocated on a merit basis.

Similarly, planning is underway for increasing clerical salaries.

Salary schedules for technical service employees are presently under negotiation.

66 Fulbright-Hays scholars here from 25 countries for education conference

The University will be host to 66 senior Fulbright-Hays scholars from 25 countries April 17-20, when the visiting scholars will attend a conference on higher education sponsored by the University Committee on International Programs (UCIP).

The conference is one of three regional programs for Fulbright-Hays scholars being held in the United States this year through the sponsorship of the Committee on International Exchange of Persons and supported by a grant from the Department of State.

Fifteen of the visiting scholars are physicians, and a special program has been developed for them in conjunction with the College of Medicine at Hershey. They will attend specialized sessions at the Hershey Medical Center as well as participate in conference activities at University Park.

President Oswald will be the keynote speaker when the group has its first formal meeting on April 17. Dr. Russell Larson, provost, is general chairman for the conference, and additionally, he will be one of the major speakers.

The UCIP, under the chairmanship of Dr. Joseph Alessandro, has major responsibility for program development and arrangements. Conference arrangements and administrative details are handled by Continuing Education Conference Center staff.

UCIP planned the conference with the intent of heightening the participants' awareness of contemporary issues in higher education and to provide them an opportunity to meet with Americans and other scholars from abroad for scholarly discussions of international concern.

Members of the faculty may attend the major addresses and discussion group sessions on an "available space" basis. The program, other than social activities, will take place in the Conference Center of the J. O. Keller Bldg. Thursday morning's session will consider "A Look at Higher Education in the U.S." (at 9:15 a.m.), and discussion groups will consider (at 10:30 a.m.) "Alternate Learning Plans."

The Thursday afternoon session, on the theme "What Education Can Do," will have two addresses, on "Links between Food and People" and "Links between Education and Problem Solving: Energy and Pollution."

Friday morning, the group will hear an address on "Links between Resources and Human Benefits: Maximizing Human Benefits," at 9 a.m. During the afternoon, the participants will visit various University facilities on the campus.

More information may be obtained about the program from the office of the UCIP, 865-9549.

Video tapes of forensic session available

Senate hears discussion on collective bargaining

The University Faculty Senate at its meeting April 2 got a detailed look at collective bargaining.

In a special 90-minute forensic session, senators heard from representatives of the American Association of University Professors (AAUP), the Pennsylvania State University Professional Association (PSU PA), the Graduate Student Association, and Open Options, another faculty group.

Robert Scholten, president of the Penn State AAUP Chapter, said his group believes unionization is the faculty's "best hope to hold on to what we have gained and regain what we have lost."

Faculty influence has steadily de-

News in brief

EMS OPEN HOUSE

Exhibits, demonstrations, films, slide shows, and tours will be featured in the "Energy-Man-Environment Exposition" Open House program of the College of Earth and Mineral Sciences, April 20 and 21, from 1 to 5 p.m. both days.

The Student Council is sponsoring the exposition, which will include tours of the meteorology department's weather station on Deike Bldg. and the mining engineering section's ventilation tunnel under the Mineral Industries Bldg. Glassblowing will be demonstrated, as will the making of glass fibre. A piece of moon rock will be displayed.

Elementary school children, as well as adults, will be interested in the many exhibits.

SPEECH HONORARY

Members of the faculty who are members of the speech honorary society, Delta Sigma Rho-Tau Kappa Alpha, but not affiliated with the local chapter, are urged to make their membership in the society known to Jean Lutz, 865-7751, between 8 a.m. and 5 p.m., or John Pharr, president of the local chapter, at 865-4903.

EXHIBITS IN NEW YORK

Two exhibits — "Three Swiss Painters" and "Charles Sheeler: The Works On Paper" — which were organized by the University's Museum of Art, are currently on display in New York Galleries. The Swiss Painters show, which was here Sept. 23-Nov. 4, is at the Guggenheim Museum and will remain there until June 23. The Sheeler paintings will be at the Terry Dintenfuss Gallery until April 20. Graduate student John Driscoll organized the Sheeler exhibit here; the Swiss Painters show was organized by Dr. George Mauner, professor of art history, and William Hull, Museum director.

CONSERVATION LECTURE

"Conservation Planning — A Growing Public Concern" will be discussed by a prominent authority on conservation, Dr. Norton H. Nickerson, botanist, ecologist, and Tufts University faculty member, Monday, April 15, in Room 60 Willard. Dr. Nickerson is president of the Massachusetts Association of Conservation Commissioners and many other groups related to the subject.

SEMIOTICS LECTURE

Juan Pablo Bonta, Ball State University, will lecture on "Design Semiotics," Tues-

day, April 16, at 7:30 p.m. in Room 62 Willard Bldg. The departments of architectural engineering, architecture, landscape architecture, man-environment relations, and regional planning are cooperating in presenting Bonta, who is the John R. Emery Distinguished Professor of Architecture at Ball State. Semiotics is the general science of signs, and Bonta's lecture will consider the meaning of signs in design, and will review major efforts to formalize an architectural or environmental semiotics. Bonta, born in Hungary, obtained his Master of Architecture degree from the University of Buenos Aires. After private practice in 1959-61, he served as advisor to the Argentine Presidency in 1961-64. He served on the faculty of the University of Buenos Aires in 1964-69 and 1971-73.

LESAGE ARTICLES

Dr. Laurent LeSage, professor of French, has contributed seven articles to the new *Encyclopaedia of World Biography*, concerning twentieth century French poets. McGraw Hill publishes the encyclopedia. He has written articles for several other encyclopedias on various aspects of French literature.

KNEEBONE PROGRAM ADVISOR

Dr. Leon Kneebone, professor of botany and plant pathology, has been invited by the National Organizing Committee of Japan for the Ninth International Congress on the Cultivation of Edible Fungi to serve as International Program Advisor. He will aid the committee to make final plans for the Congress during a two-week stay in the country. The Congress will be held Nov. 4-13.

BEHREND FACULTY AWARDS

Dr. John Free and Wayne H. Scott, of Behrend College faculty, have both received National Endowment for the Humanities awards. Dr. Free, assistant professor of English, received a grant to participate in a summer seminar at the Santa Cruz campus of the University of California. The seminar is on "Studies in the Renaissance imagination." Dr. Scott, also assistant professor of English, won a stipend to pursue research in "Popular Culture and the American Revolution, 1760-1780."

RECORDS POETRY FOR LIBRARY

Dr. Judith Moffett, assistant professor of English, Behrend College, recently recorded her poetry for the Library of Congress, to be placed in the Archive of Recorded Poetry and Literature. The Archive includes the works of more than 700 poets who read their poems. Dr. Moffett recently returned

(Continued on page four)

Ask nominations for Walker award

Nominations for the annual Eric A. Walker Award will be received in the office of Jane McCormick, Assistant to the Vice President for Student Affairs until April 22, Room 235 Bouck.

The president of the undergraduate (college) councils will make the final nomination, as Dr. Walker has requested, from among the suggestions presented to them by the faculties and deans of the several colleges, and this will be sent to President Oswald for final approval. Graduating seniors, from September, 1973, through June, 1974, are eligible for the award, which is given to the person "who has enhanced the public esteem and renown of" the University.

In writing

Dr. Carol A. Cartwright and Dr. G. Philip Cartwright, both associate professors of education, are the authors of "Developing Observation Skills," published last month by McGraw-Hill. The paperback book, designed for teachers in all areas and at all levels, is intended for use in early exposures to observation and the role observation plays in instructional decision-making. It is designed in a workbook format, with perforated pages that can be removed after classroom projects are completed.

The book is part of the McGraw-Hill Series in Special Education. Dr. Robert M. Smith, professor of special education at the University, is consulting editor of the series.

Dr. Richard C. Bradt, associate professor of ceramic science, is co-editor of two books, "Fracture Mechanics of Ceramics," which have just been published by Plenum Publishing Company.

The other co-editors are Dr. D. P. H. Hasselman, of Lehigh University, Bethlehem, and Dr. F. F. Lange, of Westinghouse Research Laboratory, Pittsburgh.

The books are the proceedings of an international symposium on the fracture mechanics of ceramics, held at Penn State last summer under the sponsorship of the Office of Naval Research. The first volume is subtitled "Concepts, Flaws, and Fractography," while the second is "Microstructure, Materials, and Applications."

Death

Anne Forbes, who served in Home Economics Extension work at the University from 1921 to 1947, died in San Diego on March 3. She was named instructor in 1921 to serve in the Lancaster County Agricultural Extension Association office and was made Extension Representative in Home Economics some years later. She was 86 at the time of her death.

Leaves

Hubert C. Smith, assistant professor of aerospace engineering, will work on his doctoral degree at the University of Virginia during a leave of absence of one year beginning in September.

LIBRARY NOTES

The Reference Department of The University Libraries will offer special individual sessions for students in the social sciences and humanities having problems locating information to write a paper or prepare a speech.

Sessions began yesterday, April 10, from 1 to 3 p.m. and will be offered on any Tuesday morning (10 to 12), or Wednesday afternoon (1 to 3), from now on. Special arrangements can be made for other times.

It is necessary to register topics in advance of a session at the Reference Department Desk, first floor, East Pattee, or by calling 865-6368.

College of Education plans convocation May 5

The College of Education will climax its year-long celebration of its 50th anniversary with a convocation May 5 that will feature a panel discussion by three distinguished graduates of the College.

Chairman of the 50th Anniversary Committee is Dr. Ned C. Deihl, professor of music education, and other members of the

Committee are Dr. Paul W. Bixby, professor of education; Dr. Gordon C. Godeby, associate dean for Continuing Education; and Jean W. Wald, secretary. The panel includes:

Dr. Michael H. Kean, '66, executive director for research and evaluation, Philadelphia School District.

Lecture series honors late head of philosophy

Dr. Ray H. Dotterer, who was the first head of the Department of Philosophy, organized in 1933, is honored by a memorial lecture series in which Dr. Josiah Thompson, Haverford College faculty member, will speak today, (Thursday, April 11) at 8 p.m. in Room 101 Kern.

Dr. Thompson will raise the question, "Who Wrote Kierkegaard's Books on Philosophy and Religion?"

Dr. Dotterer joined the faculty on a part-time basis in 1919 while he was serving in the ministry of the Reformed Church. He taught rhetoric, at the time of the Student Army Training Corps program during World War I. In 1920 he was appointed assistant professor of philosophy and in 1923 was named associate professor. Three years later he accepted appointment as professor of philosophy at Franklin and

Marshall College, remaining for four years before returning to Penn State in 1930 as professor of philosophy. He continued his work of the department of philosophy until retiring in 1947. He died in 1967 at the age of 87.

The lecturer, Dr. Thompson, has written three books on Kierkegaard, including a definite biography. He is also author of "Six Seconds at Dallas."

The Arts: Artists Series, music, theatre, shows

having completed a tour of the principal cities of Japan.

Parkening now plays an average of 60 concerts a year, has made many recordings, and is given high praise by music critics everywhere.

Among the composers whose works he will play in Schwab are John Dowland and Alonso Mudarra, 16th century; Bach, Handel and Sylvius Weiss, 18th century; Debussy, Ravel, Antonio Luro, and Isaac Albeniz of the 19th and 20th centuries.

The current Five O'Clock Theatre production in Pavilion Theatre (Thursday and Friday) is "Temple of Gold," an adaptation of the William Goldman novel. Jill Landis is director. The curtain time is 5:20 p.m. Thursday, 7:20 p.m. Friday. Free tickets are distributed beginning a half hour before curtain.

A one-woman show with more than 40 paintings by Eleanor Zygler, associate professor of art at the University, will open Sunday in the Hammond Gallery. The exhibit, entitled "Images, Places and Seasons," will be on display until April 28. An opening reception will be held from 3 to 5 p.m. April 14 in Hammond Gallery. The show represents the work accomplished while Miss Zygler was on leave and traveled in Guatemala, Costa Rica and the Canary Islands. A graduate of Carnegie-Mellon University, Miss Zygler received her master of arts degree at Mills College.

Dr. John Reich, currently serving as visiting professor in the department of theatre and film, is directing the production of Arthur Schnitzler's "La Ronde," that opens at Playhouse Theatre Friday, April 19, to the general public, with performances also April 20 and 23-27.

Dr. John Reich, currently serving as visiting professor in the department of theatre and film, is directing the production of Arthur Schnitzler's "La Ronde," that opens at Playhouse Theatre Friday, April 19, to the general public, with performances also April 20 and 23-27.

Dr. John Reich, currently serving as visiting professor in the department of theatre and film, is directing the production of Arthur Schnitzler's "La Ronde," that opens at Playhouse Theatre Friday, April 19, to the general public, with performances also April 20 and 23-27.

Dr. John Reich, currently serving as visiting professor in the department of theatre and film, is directing the production of Arthur Schnitzler's "La Ronde," that opens at Playhouse Theatre Friday, April 19, to the general public, with performances also April 20 and 23-27.

Dr. John Reich, currently serving as visiting professor in the department of theatre and film, is directing the production of Arthur Schnitzler's "La Ronde," that opens at Playhouse Theatre Friday, April 19, to the general public, with performances also April 20 and 23-27.

Dr. John Reich, currently serving as visiting professor in the department of theatre and film, is directing the production of Arthur Schnitzler's "La Ronde," that opens at Playhouse Theatre Friday, April 19, to the general public, with performances also April 20 and 23-27.

Dr. John Reich, currently serving as visiting professor in the department of theatre and film, is directing the production of Arthur Schnitzler's "La Ronde," that opens at Playhouse Theatre Friday, April 19, to the general public, with performances also April 20 and 23-27.

Dr. John Reich, currently serving as visiting professor in the department of theatre and film, is directing the production of Arthur Schnitzler's "La Ronde," that opens at Playhouse Theatre Friday, April 19, to the general public, with performances also April 20 and 23-27.

Dr. John Reich, currently serving as visiting professor in the department of theatre and film, is directing the production of Arthur Schnitzler's "La Ronde," that opens at Playhouse Theatre Friday, April 19, to the general public, with performances also April 20 and 23-27.

Dr. John Reich, currently serving as visiting professor in the department of theatre and film, is directing the production of Arthur Schnitzler's "La Ronde," that opens at Playhouse Theatre Friday, April 19, to the general public, with performances also April 20 and 23-27.

Dr. John Reich, currently serving as visiting professor in the department of theatre and film, is directing the production of Arthur Schnitzler's "La Ronde," that opens at Playhouse Theatre Friday, April 19, to the general public, with performances also April 20 and 23-27.

Dr. John Reich, currently serving as visiting professor in the department of theatre and film, is directing the production of Arthur Schnitzler's "La Ronde," that opens at Playhouse Theatre Friday, April 19, to the general public, with performances also April 20 and 23-27.

Dr. John Reich, currently serving as visiting professor in the department of theatre and film, is directing the production of Arthur Schnitzler's "La Ronde," that opens at Playhouse Theatre Friday, April 19, to the general public, with performances also April 20 and 23-27.

Dr. John Reich, currently serving as visiting professor in the department of theatre and film, is directing the production of Arthur Schnitzler's "La Ronde," that opens at Playhouse Theatre Friday, April 19, to the general public, with performances also April 20 and 23-27.

Dr. John Reich, currently serving as visiting professor in the department of theatre and film, is directing the production of Arthur Schnitzler's "La Ronde," that opens at Playhouse Theatre Friday, April 19, to the general public, with performances also April 20 and 23-27.

Theatre productions, will open April 15 (at Playhouse Theatre, Arts Building). Ticket information and reservations may be obtained by calling 865-1884.

Dr. Reich retired in 1972 as director of the Goodman resident professional theatre and the School of Drama of the Institute of Chicago. While there, he produced and/or directed 93 major productions, 53 plays for children, and 87 stage productions, all in 15 years. This followed a long career as director in Europe, New York, Hollywood and for various festivals, as well as for CBS television. He was also Columbia University professor while with television and off-Broadway theatres.

Liturgical music of the season will be presented by the Penn State Glee Club and the choir of Immaculate College, Mondak, April 15, in the Music Bldg. recital hall. Directed by Bruce Trinkley, assistant professor of music, the Glee Club will sing three lauds by Francis Poulenc, organ choruses by Beethoven and Mussorgsky and several American spirituals. The visitors will sing a spiritual and works by Verdi and Niccolò Porpora. Then the 16 groups will join in "How Lovely is the Dwelling Place" by Brahms.

Graphics by Six Swiss Sculptors — Alberto Giacometti, Le Corbusier, Max Bill, Jean Tinguely, Robert Mueller, and Bernhard Luginbuhl — will be on display in Gallery B, Museum of Art, April 14 to May 12. The graphics, by artists known primarily for their sculpture, are nevertheless complete art works in themselves. Six works are to be exhibited, organized by the Smithsonian Institution Traveling Exhibition Service. Museum hours are noon to 5 p.m., every day except Monday. Tours of the exhibits are conducted at the Museum every Thursday at 1:30 p.m.

Service, Health Services Administration, Faculty Studies and Planning Grants include both study to determine the feasibility of establishing (by expansion or otherwise) or operating emergency medical services systems and planning the establishment and operation of such systems. Establishment and Initial Operation and Expansion and improvement grants are self explained. Proposals for these grants have been distributed and are available and available 3/29/74, 3/29/74.

(124-5) Research into the delivery of emergency medical services in rural areas is proposed by the Public Health Service. The project will research the delivery of emergency services, methods, devices and delivery. The proposed research was announced in Federal Register (39FR1550, 3/29/74). The information was included and is available 3/29/74.

(124-6) A full scale search of potential funding sources can be made for projects in research, research, continuing education, and follow-up. You may begin a search by filling out a single-page Preliminary Proposal (PPO) form available from M. R. Kohler, Room Old Main (655-214). Completed PPOs will be passed through the PSU Research Information Office, the Office of Federal Programs, and the State Foundation or some combination of them depending upon the kind of program described. List of potential sponsors is selected from newspapers and state agencies, foundations, and industries. Interested sponsors can save time in proposal processing.

Funding Opportunities

Instruction—Research—Continuing Education—Fellowships

For more information and funding source information, call 865-1372.

April 11, 1974

(124-1) The Research Applications Directorate of the National Science Foundation (NSF) intends to make awards in two categories of research under its Office of Research and Development. Category A is a system analysis and engineering evaluation of concepts for ocean thermal energy conversion, including study and formulation of a test program leading to the conceptual design of test facilities. One award is contemplated for Category A at a 60 professional-year level for nine months. The deadline for Category A proposals is May 7, 1974. Category B is advanced research and technology on key elements of the program. Five awards, each in a separate subcategory, are contemplated for Category B. The award periods are 12 months, and the deadline for proposal submission is July 9, 1974. Proposals solicited under Category B can include research plans to design and fabrication of components and subsystems, studies of energy delivery systems, environmental assessment studies, and research on biofouling, corrosion, and materials compatibility. The NSF solicitation NSF 74-7 has been distributed and is available. Also in the energy conversion area, NSF solicitation NSF 74-11

has been distributed. Under this research, NSF is seeking to stimulate research on the definition of requirements and advancing the technologies of wind energy conversion systems. For both programs the contact is: Distribution Section, Administration Services Office, NSF, 1800 G Street, N.W., Washington, D.C., 20555 622-6328-4216.

(124-2) The Office of Education has announced an April 29, 1974 closing date for Fulbright-Hays Training Grants which consist of four separate programs: Doctoral Dissertation Research Abroad with preference given to foreign languages and areas critical to the national interest; Faculty Research Abroad relating to institutions developing programs in foreign languages and area studies; Professional Research Abroad also relating to the development of foreign language and area studies programs in American education, and Foreign Curricula Consultants to help develop foreign language and area studies programs. Visits by foreign teachers are also financed for the above purposes. Funding criteria have been published in the Federal Register (39FR1216, 3/26/74), was distributed and is available. The program contact is: International Studies Branch, Division of International Education, Office of Education, ROB-3,

Room 3923, 7th and O Streets, S.W., Washington, D.C. 20222.

(124-3) The U.S. Department of Commerce, National Bureau of Standards (NBS) is seeking information from organizations having the capability and facilities to perform research in the field of Fire Technology in the following areas of interest: mechanism of flame retardancy; to formulate new compounds; nature of smoke and aerosols resulting from smoldering or burning fires; studies of the effects of smoke on human behavior — behavioral physiological leading to guide criteria; alarm and communication systems, for guidance in emergency situations; smoke movement for building design criteria; studies on the environment of a fire, impact on the firefighter, physiological responses, design criteria for protective clothing; and development of models to predict study to the options, cost-benefit analyses, and studies on the mechanism of water extinguishment leading to design criteria for sprinklers to control fire and hatched designs. This request for information is being issued by the Fire Research Program announced earlier (March 14 INTERCOM #1201) for which there was a March 28 proposal deadline date. The current request was made through Commerce Business Daily, March 29, 1974, p. 18, copies of which were distributed and are available.

(124-4) Grants for feasibility studies and planning for establishment and operation and expansion end improvement of Emergency Medical Services Systems are supported by the Public Health

University Calendar

April 11-21, 1974

Special Events

Thursday-Friday, April 11-12 — Five O'Clock Theatre, "Temple of Gold," Thursday, 5:20 p.m.; Friday, 7:20 p.m.; Pavilion Theatre.

Thursday, April 11 — Sports: Women's softball, U.S. East Stroudsburg (scrimgage), 3 p.m.

Thursday, April 11 — East Asian Festival performance, "An Evening of Asian Dances," traditional dances from China, Japan and Korea, 8 p.m., Room 112 Kern, Free.

Thursday, April 11 — "An Evening of Music and Conversation with Mike Reid," 7:30 p.m., Rec Hall. American Cancer Society benefit presented by Beta Sigma Rho.

Thursday, April 11 — "Crossroads," Lenewhor Chapel, A special Maundy Thursday "Celebration," The Rev. Ned Weller, Celebrant.

Friday, April 12 — Campus 4-H Square Dance, 8 p.m., HUB ballroom.

Friday, April 12 — Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

Friday, April 12 — Folk and Square Dance Roundup has been cancelled.

Saturday, April 13 — Sports: Men's baseball, vs. Rutgers, 1 p.m.; Men's tennis, vs. Rochester, 2 p.m.; rugby, vs. Maryland; Nittany Lion track and field relays.

Sunday, April 14 — Chapel Service, 11 a.m., Music Bldg. recital hall. Service of Music and Lessons by Chapel Choir.

Sunday, April 14 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

Monday, April 15 — Sports: Men's golf, vs. Georgetown, 1 p.m.

Monday, April 15 — Glee Club Concert, 8:30 p.m., Music Bldg. recital hall.

Tuesday, April 16 — Bloomsburg Baroque Ensemble, sponsored by French Department, 8 p.m., Room 112 Kern.

Tuesday, April 16 — East Asian Festival film by Kon Ichikawa, "Flies on the

Plan," 7:30 p.m., Room 209 Human Development South. Free.

Wednesday, April 17 — Marilyn Grochowski, voice recital, 8:30 p.m., Music Bldg. recital hall.

Wednesday-Thursday, April 17-18 — University Theatre, student previews of "La Ronde," 8 p.m., Playhouse Theatre.

Wednesday, April 17 — Nontime Concert, 12:15 p.m., lobby of Kern.

Wednesday, April 17 — Sports: Men's golf, vs. Lehigh, 1 p.m.

Thursday, April 18 — Sports: Men's baseball, vs. Gettysburg, 3 p.m.

Thursday-Saturday, April 18-20 — Naiaid Show, 218 Computer Bldg.

Friday, April 19 — Artists Series, Christopher Parkening, guitarist, 8:30 p.m., Schwab.

Friday, April 19 — P.S.U. Society of Student Social Workers, Mr. Glenn Allison, National Association of Social Workers, Lobbyist, 9:30 a.m. and again at 12:45 p.m., HUB assembly room.

Friday, April 19 — Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

Friday-Saturday, April 19-20 — University Theatre, "La Ronde," 8 p.m., Playhouse Theatre.

Saturday, April 20 — Sports: Women's tennis, vs. Maryland, 2 p.m.

Sunday, April 21 — Sports: Men's baseball, vs. George Washington, 1 p.m.; men's tennis, vs. George Washington, 2 p.m.

Sunday, April 21 — Richard Jackman and Richard Brown, concert, 8 p.m., Room 112 Kern.

Sunday, April 21 — Chapel Service, 11 a.m., Music Bldg. recital hall. Dr. King V. Cheek, president, Morgan State College, Baltimore.

Sunday, April 21 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

Seminars

Thursday, April 11 — Psychology, 8 p.m., Room 111 Chambers. Dr. Tom Trabasso, Princeton University, on "Transitive Reasoning in Children."

Thursday, April 11 — Agronomy, 3:30 p.m., Room 301B Ag. Adm. A.D. Wilson on "Development of Analysis Techniques for ERTS 1 Digital Data."

Thursday, April 11 — Urban Transportation and Air Pollution, 2:20 p.m., Room 112 Kern. Robert Piper, LEX Systems, Inc., Menlo Park, California, on "Transportation, Air Pollution, and Urban Form: Is This Trip Necessary?"

Thursday, April 11 — Chemistry, 12:45 p.m., Room 310 Whitmore. Waldemar Engel, University of Puerto Rico, on "The Chemistry of Bismuthinescence."

Thursday, April 11 — Engineering Acoustics, 4 p.m., Room 71 Willard. Walter F. King, Applied Research Lab., on "Flow Acoustics Studies in the Garfield Tunnel."

Thursday, April 11 — Physics, 3:35 p.m., Room 117 Osmond. George E. Unenbeck, Rockefeller University, on "Recent Developments in Statistical Mechanics."

Thursday, April 11 — Slavic and Soviet Language and Area Center, 3 p.m., Room 174 Willard. Dr. Thomas F. Magner, on "Slavic Languages in China."

Thursday, April 11 — Nuclear Engineering,

4 p.m., Room 111 Nuclear Reactor. Dr. Jeffrey D. E. Jeffries, Project Engineer, Carolina Power and Light Co. on "The Changing Role of Electric Utilities."

Friday, April 12 — Analytical Chemistry, 11:10 a.m., Room 333 Whitmore. Chih-Yuan C. Ting on "Charge Transfer Spectra and Ion Pairing of Cyclopentadienyl Salts."

Friday, April 12 — Geosciences, 1 p.m., Room 22 Delke. Ted Irving, Chief, Magnetism Division, Department of Energy, Mines and Resources, Ottawa, on "Greenville Paleomagnetism."

Monday, April 15 — Plant Pathology, 9:45 a.m., Room 213 Buckhout. P. G. Moghe on "Some aspects of inhibition of infection and replication of Plant Viruses."

Monday, April 15 — Entomology, 4 p.m., Room 204 Patterson. Elizabeth Brown on "Morphology and Spectral Sensitivity of the Compound Eye of the Gypsy Moth Male."

Monday, April 15 — Chemical Engineering, 3:45 p.m., Room 105 Ferguson. Brian Vincent, University of Bristol, on "The Equilibrium Aspects of Reversible Coagulation in Colloidal Dispersions."

Monday, April 15 — New Communities, 2 p.m., Room 322 Sackett. Jerry L. Bailey, Landscape Architect Principal, Bailey & Associates, on "Open Space Development and the Quality of Social Environment in New Communities."

Monday, April 15 — Computation Center,

7:30 p.m. Library Progress and Facilities, Room 110 Osmond. Graphics (7), Show, 218 Computer Bldg.

Monday, April 15 — Genetics, 3:55 p.m., Room 111 Tyson. Dr. Fred Ferguson, veterinary science, on "Histocompatibility Antigens and Placental Cells."

Tuesday, April 16 — Microbiology, 4 p.m., Room 32 Great D. Balkwill on "Fine Structure Survival for Indigenous Soil Microorganisms Subjected to Soil Sterilization."

Wednesday, April 17 — Computation Center, 7:30 p.m. STPA (1), Room 110 Osmond. Graphics (8), Room 228 Computer Bldg.

Wednesday, April 17 — Chemical Engineering, 3:45 p.m., Room 160 Willard. Asge Fredenslund, Danmarks Tekniske Højskole, Visiting Professor, University of Wisconsin, on "Thermodynamics of Solutions."

Wednesday, April 17 — Biochemistry, 4 p.m., Room 101 Althouse. Kristi Chappman on "The Mitchell Hypothesis of Electron Transport and Oxidative Phosphorylation in Mitochondria."

Wednesday, April 17 — Geosciences, 4 p.m., Room 28 Mineral Sciences. Thomas L. Thompson, Staff Research Scientist, Amoco Production Co., Tulsa, Okla., AAPG Distinguished Lecturer, on "Application of Plate Tectonics to Petroleum Exploration at Continental Margins."

Thursday, April 18 — Chemistry, 12:45 p.m., Room 310 Whitmore. Donald Levy, Uni-

versity of Chicago, on "Why the Sky is Brown: The Excited Electronic States of NO₂."

Thursday, April 18 — Physics, 2:35 p.m., Room 117 Osmond. Les L. Foddy, Case Western Reserve University.

Thursday, April 18 — Agronomy, 3:30 p.m., Room 301B Ag. Adm. J. Alpert on "Beneficial Use of Soil for Thermal Discharge."

Thursday, April 18 — Meteorology, 3:55 p.m., Room 541 Delke. Dr. John Norman on "Radiative Transfer in Vegetation."

Thursday, April 18 — Anthropology, 3 p.m., Room 107 Social Science Bldg. G. Alnsworth Harrison, Visiting Professor of Anthropology at Harvard University and Reader in Physical Anthropology, on "Demo-genetics in Oxfordshire and New Guinea."

Thursday, April 18 — Landscape Architecture, 7:30 p.m., Room 124 Sackett. Dr. Thomas Bates, Geosciences Dept., on "Land Use Planning." Sponsored by Student Society of Landscape Architects.

Thursday, April 18 — Urban Transportation and Air Pollution Control, 2:20 p.m., Room 112 Kern. Richard H. Lyon, mechanical engineering, M.I.T., on "Urban Noise — Generators, Propagation, Effects."

Friday, April 19 — Analytical Chemistry, 11:10 a.m., Room 333 Whitmore. Andrew J. Stuper on "Psychotropic Agents and Pattern Recognition."

WPSX highlights

Joel Weisberg, director of Pennsylvania's Bureau of Consumer Protection, discusses two new pieces of consumer legislation when he is the guest on "People, Places, Things, Now" Friday, April 12, at 7:30 p.m. on WPSX-TV, Channel 3. Weisberg explains legislation that would establish new standards for debt collection and which would outlaw unfair trade practices in the State.

"King of Kings," Cecil B. DeMille's classic 1927 film of the life of Jesus, is presented Saturday, April 13, at 6:30 p.m. on Channel 3. H. B. Warner and Sally Rand star in the film, which can also be seen Sunday at 2:00 p.m.

"The White-Haired Girl," a unique film produced by the Peoples' Republic of China, is "The PBS Special of the Week" Monday, April 15, at 8:00 p.m. on Channel 3. The program combines ballet and music with the story of the struggles that led to Mao Tse-Tung's revolution.

"The Ceremony of Innocence," Ronald Ribman's play about the newibility of Wednesday, April 17, at 8:30 p.m. on WPSX-TV, Richard Kiley stars in the play as his nation out of war brings tragedy to his court. The play is based loosely on the 11th century reign of King Ethelred.

"Should Newspapers be Required to Give Reply Space to Political Candidates?" This is the subject of a court-room-style debate at 10 p.m. on WPSX-TV.

"War and Peace," the popular nine-part television adaptation of Tolstoy's epic novel, returns Thursday, April 18, at 9:00 p.m. Hopkins, Alan Dobie, and Morag Hoad star in the series, produced by the BBC.

Exhibits

Museum of Art — (Tours conducted Thursdays, 1:30 p.m.) Selections from the Permanent Collection, Gallery A. Graphics by Swiss Sculptors, Gallery B, opening April 14. Bill Hanson, Harvard Paintings, Gallery C.

Zoller Gallery — Contemporary Chinese Paintings, through April 13. MFA Show, opening April 15.

Chambers Gallery — Childrens Art Exhibition, through April 18. Art Education Undergraduate Exhibition, opening April 20.

Hammond Gallery — Forty paintings by Eleanor Zygler, associate professor of Art, until April 28. Opening reception, Wednesday, April 14, 4:45 p.m. at Gallery.

HUB: Art Alley — Ukrainian Club exhibit, through April 15. HUB Arts Committee — selected pieces preveiwng Arts and Crafts Festival, April 16-19.

Films

Thursday, April 11 — Free-U film, "Day at the Races," 8 p.m., HUB ballroom.

Thursday-Saturday, April 11-13 — USG film, "Three in the Cellar," 6:15, 8 and 10 p.m., HUB assembly room.

Monday, April 15 — Graduate Commons America Film Series by Alistair Cooke, "America: The Arsenal," 12:05 p.m., Room 112 Kern. Also HUB assembly room, 2:15 p.m.

Wednesday, April 17 — Commonsplace Theatre, "The African Queen," 8 and 10 p.m., Room 112 Kern.

Meetings

Tuesday, April 16 — O.T.I.S., 7 pm., Room 108 Forum.

Thursday, April 18 — College of Earth and Mineral Sciences faculty, 4 p.m., Room 26 Mineral Sciences.

Sundays — U.S.G. Supreme Court, 7:30 p.m., Room 203 HUB.

Mondays — O.T.I.S., 6:30 p.m., Room 203 HUB.

Mondays — U.S.G. Senate, 7:30 p.m., HUB assembly room.

Wednesdays Academic Assembly, 7:30 p.m., Room 351 Willard.

Thursday — Hetzel Union Board, 7 p.m., Room 206 HUB.

Lectures

Thursday, April 11 — The Annual Ray R. Dotterer Lecture on Philosophy, 8 p.m., Room 101 Kern. Dr. Josiah Thompson, Haverford College, on "Who Wrote Kierkegaard's Books?"

Monday, April 15 — Dr. Norton H. Nickerson, Tufts University, on "Conservation Planning — A Growing Public Concern," 8 p.m., Room 60 Willard, sponsored by department of landscape architecture.

Tuesday, April 16 — Juan Pablo Bonta, John R. Emers Distinguished Professor of Architecture, Ball State University, on "Design Semiotics," 7:30 p.m., Room 62 Willard Bldg. Sponsored by the Departments of Architectural Engineering, Architecture, Landscape Architecture, Man/Environment Relations, and Regional Planning.



Asian festival

Sung Hae Oh, Korean dancer, is to be one of the featured performers in the program of the current East Asian Festival. The "Evening of Asian Dance," with Japanese and Chinese dancers as well, will be held in Room 112 Kern today (Thursday, April 11) at 8 p.m.

Invitation to join open to all faculty

International Soccer Club has players of all skills

Angel Magana is a graduate student in industrial engineering from El Salvador. At home he loved to play soccer; when he came to the Penn State Campus he wasn't eligible for the varsity soccer team so he turned instead to one of the newer "club" teams, the International Soccer Club.

"I play for the exercise and the opportunity to continue in soccer," he says.

Perhaps none of the "club" teams at Penn State — the sports groups open to undergraduate and graduate students, faculty, staff, etc. — are more diverse in their membership than the International Soccer Club. Not only do its members come from a variety of countries — the name is well suited — but there are players of all skills (one even now has professional ambitions and ability), of all levels in academic development, and of a great assortment of professional fields.

For example, the dynamic coach and leader of the Club at this point is Tim Conley, a graduate student in English from St. Louis, Mo. His home city is the "hotbed" of soccer in this country, and before he came to the campus he had a great amount of competitive experience in the game. Nick Prodanovich, born in England, played two years at Beaver Campus, but when he transferred to the University Park campus found that practice sessions for the varsity team took too much time. He joined the Club so he could spend more time on his Business Administration major and still have the fun of competing.

Many members of the Club feel that the prime reason for continuing is the friendly social atmosphere, built around a love for the game. They point out that past members formed friendships that continue even though thousands of miles now separate the individuals.

The Club was formed in the summer of 1970, and most of the initial effort was in just getting organized, although the team did win the State College Recreation League Championship last has, every year since) and made trips to Maryland and Lewisburg. In 1971, the Club won the University of Pittsburgh Invitational Tournament, led by Norwegian graduate student Tor Lofali, who won the most valuable player trophy. In Spring, 1972, the Club won matches with area clubs, but it was not until fall that an extended schedule was played. Games with local clubs and with St. Francis College preceded a trip by 20 players to Columbus and Delaware, Ohio, for games against varsity teams of Ohio State University and Ohio Wesleyan. With that experience, the Club then defeated the Penn State junior-varsity team and the club



Members of the International Soccer Club, for picture purposes only, kick the ball around in front of Old Main. Their practices are held Tuesdays and Thursdays at 5:30 p.m. on Jeffrey Field, and any faculty or staff member or student may join in. League play starts April 16 and the Club will conduct a tournament May 10-12. In the picture are Nick Prodanovich, economics undergraduate; Tim Conley, coach, graduate student in English; Evan Davis, also grad student in English; and Ricardo Medina, of Mexico, a player of professional skill, currently a graduate assistant in industrial engineering.

teams of the University of Delaware and Temple.

Last spring, in addition to competing in, and winning, the Recreation League championship, the Club staged a spring tournament, with teams from Pitt and Shippensburg State College as well as the Penn State varsity. It was a weekend of games, picnic, and a World Cup film, along with a tournament contest. The fall highlight was a 1-1 tie with Mackenzie University of Sao Paulo, Brazil.

Two months ago, the Club staged an indoor tournament, the first on campus, with eight teams competing. The Penn State varsity, No. 2 team won, but Ricardo Medina, of Mexico, a member of the Internationals, won the most valuable player trophy. Recently, two Club teams competed in a 32-team tournament at the University of Indiana (Pa.).

Conley emphasizes that the Club is open to anyone in the University, regardless of experience or ability, and some members got their first taste of soccer through the Club. By developing two teams, and devising appropriate schedules, the level of prior experience isn't much a factor in the enjoyment of participating. Fernando Robles, a Business Administration graduate student from Lima, Peru, played at home; here he finds the game "more physical than in South America, but I enjoy the competition."

"The College of Health, Physical Education and Recreation," says Conley, "particularly Dean Scannell, varsity coach Herb Schmidt, and Hal White, the coordinator of non-varsity activities, has helped us in many ways. We are trying to supplement the varsity program. We make an special appeal to international and graduate students, but any interested player may join us, faculty, staff or student."

There are currently 30 members working hard in preparation for the State College league race, which opens April 15. The Club can accommodate as many as want to try, with competition for any skill level. And age makes no difference; conditioning certain will, though.

Naiads show April 18-20

Tickets are being sold at the Athletic Ticket Office in Rec Hall and in Room 105 White Bldg. for the annual Naiads water show, to be held in the Natatorium Thursday-Saturday, April 18-20. Tickets are \$1 for adult non-students, 50 cents for children, and free to University students.

The show will have 13 numbers, all choreographed by students, on the theme of "Aerials," five of which were entered in the recent Eastern Intercollegiate Synchronized Swimming competition. Based on a theme of flying, the routines include solo performances, such as "Soaring," and large-group numbers of 12, like "Migration" and "Space Flight."

The annual Naiads show of synchronized swimming by women students is always well attended, and tickets should be obtained early.

SYSTEMS ANALYST, MANAGEMENT SERVICES — University Park

Assists in the analysis of data processing and customer systems problems and the development of problem solutions. Bachelor's degree or equivalent with training in IBM basic computer systems and system planning plus two to four years experience in data processing. Applications experience in accounting or processing is desirable.

COORDINATOR, EDUCATION TECHNOLOGY UTILIZATION, CONTINUING

EDUCATION — University Park

Responsible for the development and coordination of continuing education systems and programs utilizing new and/or innovative educational technologies. O.E.D. in educational/instructional media, technology/systems or equivalent plus two to four years effective experience. Master's degree or equivalent with six to eight years effective experience.

Responsible for assistance in grading research, and identification and control of wine grape diseases and predators. Bachelor's degree or equivalent in biology or related agricultural areas plus six months effective experience or two to three years college, with one or two years effective experience.

PROGRAMMER, MANAGEMENT SERVICES — University Park

Responsible to participate in analysis, program design, coding, documenting and program testing, and program reports, make mathematical calculations or maintain information files. Bachelor's degree or equivalent in Computer Science or related field plus one or two years effective experience.

APPLICATIONS ANALYST/PROGRAMMER, MANAGEMENT SERVICES — University Park

Responsible for conducting analysis of data processing and customer problems, determining detailed requirements to solve problems, formulating logical statements of systems problems, and preparing computer programs to satisfy desired results. A Bachelor's degree or equivalent in basic computer systems plus one to two years effective experience in computer programming and analysis. Programming or analysis experience with optical character readers is desirable.

THE UNIVERSITY IS AN EQUAL OPPORTUNITY EMPLOYER

NEWS —

(Continued from page one)

from six months in Sweden where she completed translation of poems by Hjalmar Gullberg.

SAILING SEMINAR

A seminar of high-performance, single-handed sailboat racing will be presented at Room 214 Bouck today (April 11) at 7:30 P.M. by Bill Noble, of A.M.F. Alcott Division, under the sponsorship of the Sailing Division of Penn State Outing Club and Penn State Intercollegiate Sailing Team. All interested sailors are invited to attend.

The new Force 5 single handed racing sailboat from the Alcott Division of A.M.F. will be used to demonstrate Junior Series for getting maximum speed under all sailing conditions. Among the training aids will be two motion pictures, some 80 slides, as well as an actual Force 5 boat.

BERKS CAMPUS FUND

A telephone campaign was waged March 26 at the Berks Campus to contact some 2,100 University graduates in the Berks County area, with a goal of raising \$10,000 for use in beautifying the campus by planting trees and plants, building gateways, walkways, benches and flagpoles. Graduates were asked to donate \$10 plus \$1 for every year since graduation.

SPRAY CAMPAIGN

The annual spraying of American elm trees on the University Park campus has begun and will be continued for several weeks, as weather permits. If spray should settle on an automobile, it is suggested that the spray be removed as soon as possible with detergent and water. Questions about the spraying may be directed to the Office of Physical Plant, 865-4731.

STONE VALLEY OPENS

The Stone Valley Recreation Area (in Huntingdon Co., about 12 miles from campus) will open Saturday, April 13. The lake has been stocked with 4,000 rainbow and brown trout. Boats are available for rental.

REGATTA PLANNED

The Seventh Annual Regatta and Picnic organized by the Sailing Division of the Penn State Outing Club, will be held Saturday, May 18, with a rain date of May 19. Races in a variety of boats will be conducted, starting in the morning. More information will be made available in "Intercom" at a later date.

BLUE BAND MAJORETTES

Tryouts for the Penn State Blue Band Majorettes will be held April 20-21. Application forms and other information may be obtained at Room 217 Chambers Bldg.

China night

The Chinese Student Association at the University is sponsoring a "China Night" program today (Thursday, April 11) at the Senior High School Auditorium on Western Parkway.

A reception at 8 p.m. will be followed by performances in the arts by a Chinese Youth Goodwill Mission from Taiwan, Republic of China. Instrumental music, folk dances, opera, painting demonstrations will be staged.

The 24-member group of students and faculty from various universities in Taiwan is visiting 50 college campuses in the U.S. in its tour.

The reception and program are free and open to the public.

SENATE —

(Continued from page one)

It's the best possible solution for faculty at Penn State.

"The purpose of Open Options is to seek out all available information. We insist on all sides of the story and don't advocate a quickie election."

In a 45-minute question-and-answer session following the formal presentations, Scholten said strikes are most impractical, noting "most of us are not inclined toward strikes."

In other business, the Senate approved a statement of basic admissions policies submitted by its Committee on Academic Admissions Standards.

Mary McCammon, committee chairman, said the new policies were developed to keep pace with changing conditions.

The Senate also heard an informational report from the Subcommittee on Academic Standards on guidelines for the retroactive dropping of courses.

WITHHOLDING REMINDER—W4E

The Controller's Office wishes to remind those employees who filed a Withholding Exemption Certificate — Form W-4E for 1973 that this certificate will expire on April 30, 1974 for taxpayers on a calendar year basis. The exemption claimed on Form W-4E must be renewed annually.

If you qualify and wish to continue your exemption, or if you are applying for the first time you must file a new Form W-4E for 1974. You may claim the exemption from withholding if you had no income tax liability for 1973. You must designate no income tax liability for 1974. Forms are available from the Payroll Department, 301 Shields Building.

In general the elimination of the withholding applies to only those working part-time. The principal advantage is that it will eliminate the need to file an income tax return at the end of the year to obtain a refund of money withheld.

Staff vacancies

University faculty or staff members who are interested in any of the staff exempt or staff non-exempt jobs listed below may apply by calling Employment Questions, 865-1347 (Office Line 475-1377). Do not contact the area having the vacancy. Applications will be accepted until: 5 p.m., April 18, 1974.

PSYCHOLOGIST/COUNSELOR — Hazelton Campus

Responsible for conducting counseling programs on the campus. Ph.D. or Ed.D. in counseling or counseling psychology, counselor education or equivalent training plus applicable professional experience in educational/vocational counseling of students, or similar experience.

ENGINEERING SYSTEMS ANALYST, MANAGEMENT ENGINEERING — University Park

Responsible for analyzing and developing solutions for computer controlled physical systems and manpower scheduling systems in the Office of Physical Plant. Bachelor's degree in Engineering or equivalent plus one to two years of effective experience in computerized applications development. An interest in physical plant maintenance and operations necessary.

LIBRARY ASSISTANT — SET, SERIALS, AND ANALYTICS, UNIVERSITY LIBRARIES — University Park

Responsible for sets, serials, and analytic cataloging of serial publications to catalogue and adapt them to the Pennsylvania State University library so as to facilitate easy use by library patrons. Bachelor's degree or equivalent, with at least nine months effective experience. Knowledge of at least one Slavic language preferably Russian required.

ASSISTANT SUPERVISOR OF MAINTENANCE, HOUSING AND FOOD SERVICE — University Park

Responsible for assistance in eliminating and coordinating maintenance functions in housing and food service areas such as residence halls and dining halls. High school plus formal trades training or equivalent plus one to two years effective experience. Requires knowledge of upholstery, carpentry, plumbing, electricity and other mechanical skills.

PENN STATE intercom

Volume 3, Number 31

April 18, 1974

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

News in brief



Cavett

CAVETT HERE

Television personality Dick Cavett will speak in Rec Hall Sunday, April 21, at 8 p.m., sponsored by Colloquy. The talk is open to the public and free.

ALTOONA ARTS SHOW

The annual arts and crafts exhibition, "Arts '74," will open at the Altoona Campus Friday, April 26, at 7:30 p.m., continuing through Sunday. More than \$700 in prize money will be awarded in various arts, crafts, and photography categories. At the same time, Altoona Campus students will stage their annual spring show. Various demonstrations of the performing arts will also be given by students. Residents of seven counties contributed art and crafts to the exhibit last year. Ken Kuhn, assistant professor of art, is coordinator of "Arts '74."

STUDENTS PARTICIPATE

Fifteen undergraduate students are currently (April 18-20) participating, by giving papers, in the 28th annual Eastern Colleges Science Conference at Worcester (Mass.) Polytechnic Institute. Stanley J. Shepherd, associate professor of physics, is faculty coordinator for the group.

FACULTY PAPERS

Sixteen faculty members from the Departments of Chemistry, Biochemistry, Microbiology, and Meteorology, along with 13 postdoctoral candidates and graduate students in chemistry, are represented in papers to be presented at the 1974 American Chemical Society Middle Atlantic Region meeting, April 24-26, in Wilkes-Barre. The meeting commemorates the discovery of oxygen by Joseph Priestley, two hundred years ago.

SINGERS IN HARRISBURG

The University Choirs, directed by music professor Raymond Brown, will perform in concert with the Harrisburg Symphony April 23 in Harrisburg, and during the same trip selected members of the Choirs will perform in the rotunda of the Capitol.

DAIRY SCIENCE SHOW

The annual Dairy Cattle Judging Contest, sponsored by the Dairy Science Club, will be held Saturday, April 20, at the Dairy Production Center north of Park Road near the Maintenance Buildings. The contest is part of the 49th Annual Dairy Exposition, which will include the crowning of the Dairy Princess April 24 and the annual fitting and showing contest May 4. Show Day

(Continued on page four)



PRESIDENT OSWALDO admires the "Phi Psi 500" T-shirt on John Steigewald and Cathy Krouse (left) who advertise the big beer-reece April 27, staged by Phi Kappa Psi fraternity for a charity each year. This year's recipient of the proceeds of the race is the Centre County Day Care Center, of which Mrs. Susan Dangel, far left, and Mrs. Rose Woodring, far right, are directors. Standing next to President Oswald is John Eagen, chairman of the race for the fraternity. A Master's Division has been added to the race this year, and anyone over 30 may enter this division, to compete for trophies. Each entry receives a T-shirt of the type being worn by John and Cathy.

Ten Alumni to be honored

Ten graduates of the University will be honored June 8 as Distinguished Alumni, bringing to 164 the number so honored since 1951 when the program was initiated.

To be honored this year are:

—William Bellano, Beverly Hills, Calif., coal and petroleum executive who for more than a decade has been warning of the coming energy crisis. Native of Scranton.

—Samuel B. Casey, Jr., of Chicago, Ill., president, Pullman, Inc., and director of other industrial firms, insurance companies, and banks. Native of Pittsburgh, Pa.

—Martha M. Dohner, Harrisburg, Pa., institutional principal, Pennsylvania State Hospital for Crippled Children, Elizabethtown, Pa. Native of Enola, Pa.

—Roosevelt Grier, Los Angeles, Calif., professional football player with New York Giants and later Los Angeles Rams, now an entertainer and television personality. Formerly of Linden, N.J.

—The Reverend Philip R. Jones, Milton, minister and moderator of United Presbyterian Synod of Pennsylvania-West Virginia. Native of Scranton.

—Lucella Parker Kennedy, Paoli, actress, singer, teacher, and speech consultant, a native of West Newton, Pa. She is a former University trustee.

—Dr. Max S. Peters, Boulder, Colo., dean of engineering, University of Colorado. Native of State College, Pa.

—Frank P. Smeal, Rumson, N.J., executive vice-president and treasurer, Morgan Guaranty Trust Co. of New York. Native of Sykesville, Pa.

—Capt. Paul J. Weitz, native of Erie, Pa., now living in Houston, Tex., astronaut of Skylab 2.

—Dr. Donald Wyman, Weston, Mass., former president and director of the American Horticultural Society and horticultural emeritus of Harvard University's Arnold Arboretum. Native of Philadelphia.

Faculty Club elections near

Ballots will be mailed April 26 to all current members of the Penn State Faculty Club for the election of officers, including president, vice president, secretary, and directors-at-large.

The Club, which has already enrolled nearly 375 members, is working with the architectural firm of Venturi and Rauch, Philadelphia, and expects a preliminary report on design plans before the end of the Spring Term. The Building Planning Subcommittee includes Drs. Robert Gray, chairman, Samuel Guss, Louis Inerra, William Steele, Walter H. Walters, and Doris Seward.

New members are being enrolled from among faculty, administration and staff except personnel of the entire University community. An informational brochure and

membership form may be obtained from Dr. Richard D. Schein, current president, Room 109 Carnegie Bldg.

The nominations for officers for the upcoming election are: president, Dr. Schein; vice president, Dr. Donald R. Olson; secretary, Dr. Robert L. Clewett. All are incumbents.

For directors-at-large, the nominations (eight will be elected) include incumbents Peter D. Bennett, Ralph W. Condee, Marjorie East, Ross B. Lehman, Arthur O. Lewis, Jr., Robert F. Lima, Jr., Thomas F. Wagner, and R. William Millman, and also Joseph C. Flay, Stuart Forth, Audrey B. Harsanyi, Louis P. Inerra, Lucille I. Magnusson, Colleen M. McCann, and Karl E. Spear.

The election procedure ends May 10.

Director, Center for Environment Policy Sought

Recommendations for the position of Director, Center for Environmental Policy at the University, are being requested by the Search Committee. The Committee will prepare a list of the most qualified candidates for submission to the Vice President for Research and Graduate Studies.

Candidates should be highly qualified social scientists with strong interests and experience in environmental fields. He or she should have substantial training in research, have a meritorious record of research output, and be qualified for graduate faculty membership. The individual should have the credentials necessary for appointment (presumably as Associate Professor or Professor) in the academic department representing his or her discipline. The position is split between teaching and research in the academic department and research and administration as Director of the Center. The person should have substantial academic experience and knowledge about the organization and functioning of a University.

Candidates may refer themselves, or anyone may submit credentials for individuals. The suggestion of a candidate should be accompanied by a resume of academic and professional history and any other data relevant to the qualifications described above. Letters of recommendation or names of people who might be competent for reference should also be supplied.

The Committee would appreciate receiving documents on suggested candidates as soon as possible.

All material relating to the position should be addressed to the Chairman of the Search Committee, 206 Liberal Arts Tower, University Park, Pa. 16802.

Physics plans conference on education

"Tradition and Change in Physics Graduate Education" is the theme of a conference to be held at University Park August 19-23, 1973, sponsored by The Forum on Physics and Society of the American Physical Society, The American Association of Physics Teachers, and the Committee on Education of the American Physical Society.

Dr. Roland H. Good, Jr., professor and head of the physics department, is co-chairman of the conference along with Dr. Martin L. Peri, of SLAC. Also members of

the organizing committee are Dr. Roger M. Herman and Stanley J. Shepherd, of the physics department.

The conference will aim to review the graduate education process in physics, its current state, the environment it faces, and what, if any, changes should and can be made. Morning sessions will be devoted to contributed and invited papers and afternoons to individual discussions. Summary lectures and discussions of recommendations will be held in the evenings.

Lillian Preston wins playwrighting award

Dr. Lillian E. Preston, associate professor of speech communication, has won a first place award in the National Playwriting Contest conducted by the Children's Theatre of Richmond, Inc.

The award was given for her children's fantasy, "Magic Land of Caliban," and it is the seventh award for plays that Dr. Preston has received since she joined the

faculty in 1962. The Children's Theatre will produce the play in the 1974-75 season.

The W. H. Baker Co., of Boston, Mass., will publish Dr. Preston's new, one-act play, "Services Rendered," in the fall. The company has already published four of her plays. Also, her short science-fiction story, "The Dollhouse," appears in the April issue of "Young World."



Zyglar exhibit

"FIVE PEARS AND A GRAPE LEAF" is one of the 40 paintings by Eleanor Zyglar, associate professor of art, currently on display in Hammond Gallery. The exhibit is titled "Images, Places and Seasons," and it will continue on display until April 28.

RESERVE READING LISTS

Reserve reading lists for Summer Term 1974 should be submitted to the Main Undergraduate Library on or before April 25, to allow ample time for processing. Lists received after the deadline will be accepted only if material requested is not needed until the beginning of the third week of classes.

The April 25 deadline provides a reasonable amount of time to order books and to prepare available materials for reserve use.

Only required readings, which will circulate either for a two hour period or for an overnight loan period, will be placed on reserve.

Lists should be submitted on reserve forms which are available by mail or in person from the Undergraduate Library, W 11 Patten. Lists should be typewritten and contain full bibliographical information, including the author's full name, title, publisher and the date of publication.

In writing

"Life-Span Developmental Psychology — Personality and Socialization," a book containing the papers presented at a conference sponsored by the Department of Psychology at West Virginia University, has been published by Academic Press, edited by Dr. Paul B. Baltes, associate professor of human development and director of the Division of Individual and Family Studies in the College of Human Development at the University, and by Dr. K. Warner Schaie, associate director of research and professor of psychology at the University of Southern California's Ethel Percy Andrus Gerontology Center. The book includes 14 papers and Dr. Baltes and Dr. Schaie have contributed an epilogue "On Life-Span Developmental Research Paradigms: Retrospects and Prospects."

The Arts: music, theatre, exhibits

"Music for Prague," by Pulitzer Prize-winning composer Karel Husa, will be featured in the spring concert of the Penn State Wind Ensemble at 8:30 p.m. Friday, April 26, in the Music Bldg. recital hall. Written in 1968, the work by the Czech composer is a four movement composition significant for being written in the year of great political dissent in Czechoslovakia.

Also chosen for performance by the Wind Ensemble, directed by Smith Toulson, assistant professor of music, are marches by Prokofiev and Hansen, Grainger's "Lincolnshire Posy," a collection of English folk songs set for band, and works by Mozart and Hartley, the latter with Samuel D'Aversa, music undergraduate, playing saxophone.

The Wind Ensemble will travel to the Mont Alto campus of the University for a similar concert on April 22. The group's annual Pops Concert in the Arts Courtyard is scheduled for Sunday, May 19.

Prints, ceramic bottles, and welded steel sculpture will be exhibited by three art graduate students beginning Monday, April 22, in Zoller Gallery, Visual Arts Bldg. George Sam Gardner, sculptor, Mary Louise Thompson, printmaker, and Dean Lichtman, potter, will show work done in partial fulfillment of the requirements for the master of fine arts degree which the three will receive in May.

Gardner, who was awarded the bachelor of arts degree in art from the University in 1968, will display five large steel sculptures. A graduate of Middlebury College, Vermont, Miss Thompson will show etchings and intaglias. Seven thrown ceramic bottles by Dean Lichtman, a graduate of East Carolina University, will be exhibited. The MFA show will continue in Zoller Gallery through May 3.

A composition written for Steven Smith, assistant professor of music, by an award winning composer will be premiered by Smith in a piano recital at 8:30 p.m. Monday, April 22, in the Music Bldg. recital hall, "Aria and Variations for Piano," by John Beall, a graduate of Eastman School of Music now teaching at West Texas State University, is reminiscent of a vocal aria



THE YOUNG GENTLEMAN and the maid in the Arthur Schnitzler play, "La Ronde," are played by Robert E. O'Quinn and Marilyn McIntire. The play opens Friday, April 19, at Playhouse Theatre, with other performances April 20 and 22-27. Guest director for the play is John Reich, who recently retired as director of Chicago's Goodman Theatre. Reservations for the various performances may be made by calling 555-1581.

followed by 14 variations. Beethoven's "Waldstein" sonata, dedicated to one of the composer's greatest patrons and numbered among his most spectacular sonatas, will also be performed. Bach's "Prelude and Fugue in E" and three Schubert impromptus will complete Monday's recital.

The Alard String Quartet will present three popular string quartet compositions in its final concert of the season at 8:30 p.m. Wednesday, April 24, in the Music Bldg. recital hall. Haydn's quartet in D major, "The Lark," Dvorak's quartet in F major, "American," and a quartet in G major by Schubert have been selected for Wednesday's concert. The Dvorak quartet, utilizing Indian themes, Negro spirituals, and other native American musical qualities, is among the composer's works inspired by his travel to a Bohemian colony in Iowa during his stay in the United States.

The annual spring concert of the Penn State Concert Blue Band, with Dr. James W. Dunlop conductor and Dr. Ned C. Deihl as associate conductor, will be held Sunday, April 28, at 3 p.m. in Schwab Auditorium.

One of the features of the program,

which has a variety of composers and styles, will be Mozart's "Romance" from Concerto No. 3 in E-flat, K.V. 447, in which senior student Richard Fries will be soloist. Familiar band music such as Sousa's "The Stars and Stripes Forever" will be included as well as unexpected numbers like "Australian Up-Country Tune" by Percy Grainger and Robert Russell Bennett's "Sanctus of Old American Dances," with the tempos and styles of the cello walk, schottische, Western one-step, Wallflower Waltz, and rag.

Drs. Dunlop and Deihl are members of the music education faculty.

George Izenour, one of the foremost figures in theatre consultation and engineering during the past quarter century, will present a lecture at 2:00 p.m. Tuesday, April 23, in the Playhouse Theatre, sponsored by the Institute for the Arts and Humanities Studies in cooperation with the theatre and film department.

Among developments pioneered by Izenour, professor of theatre design and technology at Yale University, are the electronic multi-preset lighting control system, which revolutionized the art and practice of the lighting throughout the world.

Trustee Rowland, Lethbridge die

Berry B. Lethbridge, Jr., who retired as assistant dean emeritus of the College of Business Administration in July, 1973, died April 10, at the age of 66.

Prior to joining the Penn State faculty in 1955, Dean Lethbridge had completed a two-year tour with the U.S. Embassy in Turkey as an advisor to the U.S. AID program. Earlier he was an advisor to the U.S. military government in Japan and worked for the State Department in the Philippines, Hong Kong, Taiwan, Indonesia, and Thailand. He had served more than three years in the U.S. Navy, two of them in the Pacific and in Southeast Asia.

He received his bachelor of science degree in economics from Franklin and Mar-

shall College in Lancaster in 1930 and his master of science degree in economics from Duke University, Durham, N.C., in 1940. In 1940-41, he did graduate work at Penn State.

Roger W. Rowland, who served on the Board of Trustees for 34 years and was president of the Board from 1963 to 1970, died April 14 at the age of 79.

He was born in Springfield, Mass, and received a B.S. degree from Penn State in 1917. Following graduation, Rowland served as an aviator in World War I, following which he was engaged in the manufacture of steel mill equipment. From 1929 to 1969 he was president of New Castle Refractories Co.

of higher education. The application deadline is May 9, 1974. Additional information may be obtained from the Language and Area Centers Program, U.S. Office of Education, Room 3671, 7th and O Streets, S.W., Washington, D.C. 20022 (Ref. CFOA 13.435).

(12-3) Institutional applications for a quota of fellowships under the Language and Area Studies Fellowship Program are being accepted by the Office of Education with a May 9, 1974 deadline. The program authorizes stipends to individuals undergoing advanced training in modern foreign languages and area studies, international studies, and the international aspects of professional and other fields of study. Information may be obtained from the Language and Area Fellowship Program, U.S. Office of Education, Room 3669, 7th and O Streets, S.W., Washington, D.C. 20022 (Ref. CFOA 13.434).

(12-4) The Alcohol, Drug Abuse and Mental Health Administration (ADAMHA) announces the two deadline dates of June 1 and Oct. 1, 1974 for several programs under its direction. . . . Alcohol Abuse and Alcoholism Research Grants — contact Dr. Albert Pellowick, Chief, Extramural Research Branch, Div. of Research, National Institute of Alcohol Abuse and Alcoholism, Room C603, 5500 Fishers Lane, Rockville, Md. 20852 (301) 435-4223.

Career-Teacher Training Grants, Academic Career Teacher Awards (medical) in Alcohol Abuse, and Alcohol Abuse and Alcoholism Training Grants — contact Dr. Leonard Mitnick, Chief, Extramural

Training Grants, NIAAA, Room 16C26, 5500 Fishers Lane, Rockville, Md. 20852 (301) 443-5000.

. . . Studies of Narcotic Addiction and Drug Abuse Research Grants — Dr. Myrick, Acting Chief, Program Support Branch, Div. of Narcotic Addiction and Drug Abuse, ADAMHA, 5600 Rockledge Lane, Baltimore, Md. 20852 (301) 443-5000 (CFOA 13.249). . . . Drug Abuse Education, Career-Teacher Training Grants, Academic-Career Teacher Awards (medical and non-medical) in Narcotic Addiction and Drug Abuse, Clinical Investigator Awards in Narcotic Addiction and Drug Abuse, and Training for Health and Health Related Professionals in Narcotic Addiction and Drug Abuse — contact Dr. Leonie Mitnick, Chief, Manpower and Training Branch, Div. of Resources Development, National Institute of Alcohol Abuse and Fishers Lane, Rockville, Md. 20852 (301) 443-2755.

REMINISCE OUR DEADLINE DATES April 29 for OE Fulbright-Hays Training Grants and non-medical in Narcotic Addiction and Drug Abuse for OE Ethnic Heritage Studies Program (Feb. 7 INTERCOM 2118-2) . . . May 6 for NEH Research Grants (March 7 INTERCOM 2119-2) . . . May 7 for NEH Fellowship Grants (March 21 INTERCOM 2120-2) . . . May 7 for NSF contracts for Ocean Technology Conversion (April 11 INTERCOM 2124-1) . . . June 1 for NEH Film/TV Grant Program (March 11 INTERCOM 2119-4) . . . June 1 for FOA Food Security Training Grants and Food Research Grants (March 21 INTERCOM 2121-4) . . . June 17 for NEH Senior Fellowship Program (March 14 INTERCOM 2120-4).

Funding Opportunities

Instruction—Research—Continuing Education—Fellowships

For more information and funding source information, call 865-1372.

APRIL 18, 1974

(125-1) The Office of Education announces funding criteria and a May 8, 1974 deadline for several Education Professions Development Act (EPDPA) programs.

. . . Bilingual Education Training Program — To increase the number of qualified educational personnel serving in bilingual education programs for children with limited English-speaking ability and the number of educational institutions capable of such training (Ref. Title V sec 501 b.531) (CFOA 13.500).

. . . Categorical Programs — for continuation grants including the following programs: early childhood, school personnel utilization, training teacher trainees, teaching training in developing institutions, and volunteers in education (Ref. Title V, Part O, Sec. 531) (CFOA 13.416).

. . . Exceptional Children — to provide training to regular classroom teachers, school administrators, and the trainers of such personnel for children with physical, emotional, or mental limitations (Ref. Title V, Sec. 531) (CFOA 13.417).

. . . New Careers in Education — to attract qualified persons to the field of education and to encourage artists, craftsmen, artisans, scientists, and

persons from other professions and vocations to undertake teaching on a part-time basis or for temporary periods (Ref. Title V, Sec. 534) (CFOA 13.545).

. . . Teachers for Indian Children — to prepare teachers and children teachers, reserves serviced by elementary and secondary schools for Indian children (Ref. Title V, Part O, Sec. 532) (CFOA 13.546).

. . . Leadership Development — to award stipends to experienced vocational educators for undertaking full-time advanced study in vocational education at institutions of higher education. (Ref. Title V, Sec. 532) (CFOA 13.523). Information and application forms may be obtained from: Div. of Educational System Development, U.S. Office of Education, 7th and O Streets, S.W., Room 3500-R0B-5, Washington, D.C. 20022 (Ref. 39 FR 12252-4/4/74).

(125-2) The Office of Education funds Graduate and Undergraduate International Studies Programs to establish, equip, and operate these programs and the international aspects of professional and other fields of study. Programs are evaluated highly if they have international relevance, are interdisciplinary, involve both the campus and the community and neighboring institutions

University Calendar

April 18-28, 1974

Special Events

Thursday-Saturday, April 18-20 — Naiads' show, 8 p.m., Natarium.

Thursday, April 18 — Sports: Men's baseball, vs. Gettysburg, 3 p.m.

Friday, April 19 — University Theatre student preview of "La Ronde," 8 p.m., Playhouse Theatre.

Friday, April 19 — O.T.I.S. Casino Night, 7:30 p.m., HUB ground floor. For benefit of Penna. Assn. for Related Children.

Friday, April 19 — Artists Series, Christopher Parkening, guitarist, 8:30 p.m., Schwab.

Friday, April 19 — P.S.U. Society of Student Social Workers, Jean Allison, National Association of Social Workers lobbyist, 9:30 a.m. and at 12:45 p.m., HUB assembly room.

Friday, April 19 — Commonsplace Coffee-house, 8 p.m., Room 102 Kern.

Friday-Saturday, April 19-20 — University Theatre, "La Ronde," 8 p.m., Playhouse Theatre.

Saturday, April 20 — Sports: Women's tennis, vs. Maryland, 2 p.m.

Saturday-Sunday, April 20-21 — College of E.M.S. open house.

Sunday, April 21 — Colloquy Lecture by television personality, Dick Cavett, 8 p.m., Rec Hall. Free, open to public.

Sunday, April 21 — Eastern Orthodox Divine Liturgy, 10 a.m., HUB assembly room.

Sunday, April 21 — Sports: Men's baseball, vs. George Washington, 1 p.m.; men's tennis, vs. George Washington, 2 p.m.

Sunday, April 21 — Richard Jackson, classical guitarist, concert, 8 p.m., Room 112 Kern.

Sunday, April 21 — Chapel Service, 11 a.m., Music Bldg. recital hall. Dr. King V. Cheek, president, Morgan State College, Baltimore.

Sunday, April 21 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

Monday, April 22 — Lecture on "Creativity and Intelligence Development through Transcendental Meditation," 8 p.m., Room 111 Chambers, by Harold Masover, president of the local International Meditation Society.

Monday, April 22 — Steven Smith, piano recital, 8:30 p.m., Music Bldg. recital hall.

Tuesday, April 23 — Eastern Orthodox Vespers, 7:30 p.m., The Chapel.

Tuesday, April 23 — Sports: Women's softball, vs. Lock Haven, 3:30 p.m.; women's tennis, vs. Lock Haven, 3 p.m.

Tuesday-Saturday, April 23-27 — University Theatre, "La Ronde," 8 p.m., Playhouse Theatre.

Wednesday, April 24 — East Asian Festival lecture-demonstration, Dr. Kenneth Beltel, art education, the art of Japanese porcelain, 8 p.m., Room 101 Kern.

Wednesday, April 24 — Aired String Quartet, 8:30 p.m., Music Bldg. recital hall.

Wednesday, April 24 — Nontime concert, 10 p.m., lobby of Kern.

Thursday, April 25 — U.S.A. Workshop on canning and preserving, 7:30 p.m., Room 112 Kern.

Thursday-Saturday, April 25-27 — Penn State Aquatic Institute and Hall of Fame, Natarium.

Thursday, April 25 — Special meeting of HOPS for faculty and staff members, on "The Relevance of HOPS," 8 p.m.; for place, call U.S.G. Gay Line, 863-0296.

Thursday, April 25 — East Hills Residential Life program on "Women Today," 8:30 p.m., Findlay Hall Lounge. Topic: "The Stigma of Sex Typing," with Patricia Sanders, Dr. Robert O'Connor, and Dr. Mary Dupuis, with film, "Growing Up Female."

Friday, April 26 — Penn State Wind Ensemble, 8:30 p.m., Music Bldg. recital hall.

Friday, April 26 — Folk and Square Dance Roundup, 7:30-9 p.m., North Gym, White.

Friday, April 26 — Eco-Action film and lecture on "The Living Filter," by Dr. Louis T. Kardos, 7 p.m., HUB main lounge.

Friday, April 26 — Commonsplace Coffee-house, 8 p.m., Room 102 Kern.

Saturday, April 27 — Sports: Men's lacrosse, vs. Rutgers, 8 p.m.; women's softball, vs. SUNY-Cortland, 2 p.m.

Saturday, April 27 — Football team family-camera day.

Saturday, April 27-28 — Sports: Rugby, Trys-Tournament.

Sunday, April 28 — Penn State Concert Blue Band, 3 p.m., Schwab.

Sunday, April 28 — Sports: Men's baseball, vs. Rider, 1 p.m.

Sunday, April 28 — Lee Ann Kennedy, pottery demonstration, 12 noon, lobby of Kern.

Sunday, April 28 — Friends of India Celebration, dinner, entertainment, films, 6 p.m., Room 102 Kern.

Sunday, April 28 — Chapel Service, 11 a.m., Eisenhower Chapel. Rev. Raymond Dibble, pastor, State College Christian and Missionary Alliance.

Sunday, April 28 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

Sunday, April 28 — Eastern Orthodox Divine Liturgy, 10 a.m., HUB assembly room.

Seminars

Thursday, April 18 — Statistics, 4 p.m., Room 109 Willard.

Friday, April 19 — David Andrews, mathematics, University of Toronto, Ontario, on "Robust Regression."

Thursday, April 18 — Chemistry, 12:45 p.m., Room 310 Whitmore. Donald Levy, University of Chicago, on "Why the Sky is Brown: The Excited Electronic States of NO₂."

Thursday, April 18 — Physics, 2:35 p.m., Room 117 Osmond. Leslie L. Foddy, Case Western Reserve University.

Thursday, April 18 — Agronomy, 3:30 p.m., Room 301B Ag. Adm. J. Aipert on "Beneficial Use of Soil for Thermal Discharge."

Thursday, April 18 — Meteorology, 3:55 p.m., Room 541 Deike. Dr. John Norman on "Radiative Transfer in Vegetation."

Thursday, April 18 — Anthropology, 3 p.m., Room 107 Social Science Bldg. G. Ainsworth Harrison, Visiting Professor of Anthropology at Harvard University and Reader in Physical Anthropology, on "Demogenetics in Oxfordshire and New Guinea."

Thursday, April 18 — Landscape Architecture, 7:30 p.m., Room 124 Sackett, Dr.

Thomas Bates, Geosciences Dept., on "Land Use Planning." Sponsored by Student Society of Landscape Architects.

Thursday, April 18 — Urban Transportation and Air Pollution Center, 2:20 p.m., Room 112 Kern. Richard H. Lyon, mechanical engineering, M.I.T., on "Urban Noise — Generators, Propagation, Effects."

Thursday, April 18 — Regional Planning, 7:30 p.m., Room 217 Willard. Franklin C. Wood, Bucks County Planning Commission, on "Plan Implementation in the Community Context."

Friday, April 19 — Analytical Chemistry, 11:10 a.m., Room 333 Whitmore. Andrew J. Stuper on "Psychotropic Agents and Pattern Recognition."

Monday, April 22 — Genetics, 3:55 p.m., Room 111 Tyson. David L. Wilcox, biology, on "Determining Phylogenetic Relationships from Protein Sequence Differences."

Monday, April 22 — Plant Pathology, 9:45 a.m., Room 213 Buckhout. Robert Seem, on "Growth Curves and Disease Curves: Some New Concepts."

Monday, April 22 — New Communities, 2 p.m., Room 322 Sackett. Dr. Thomas Nutt, urban studies and planning, M.I.T.,

on "Health and Mental Health in the New Communities."

Monday, April 22 — Computation Center, 7:30 p.m. STPAC (2), Room 110 Osmond. Graphics (9), Room 228 Computation Bldg.

Tuesday, April 23 — Environmental Pollution Control and Solid Waste Management, 2:20 p.m., Room 140 Fenske. Franklin Adams, biology, on "Closing of Orbits."

Tuesday, April 23 — Geosciences, 4 p.m., Room 26 Mineral Sciences. E-An Zen, United States Geological Survey, Washington, D.C., on "Taconian Nappes, Western Newfoundland and Western New England."

Tuesday, April 23 — Chemical Engineering, 3:45 p.m., Room 140 Fenske. Brian Buffham, Loughborough University, England, visiting professor at Lehigh University, on "Simplified Mathematical Modeling of Fixed Bed Exchangers."

Tuesday, April 23 — Microbiology, 4 p.m., Room 52 Frear. G. Stauffer on "Regulation of Serine Transhydroxymethylase Synthesis in *Salmonella typhimurium*."

Wednesday, April 24 — Computation Center, 7:30 p.m. STPAC (3), Room 110 Osmond; Graphics (10), Room 228 Computation Bldg.

puter Bldg.; Census (1), Room 109 Osmond.

Wednesday, April 24 — Animal Nutrition and Nutrition, 3:55 p.m., Room 111 Animal Industries. J. Tellebaum, human development, on "Anthropological Aspects of Obesity."

Thursday, April 25 — Agronomy, 3:30 p.m., Room 301B Ag. Administration. C. H. Chu on "The Effects of Waste Water Removal and Solids in the Agri-Proces Waste Water Complex."

Thursday, April 25 — Chemistry, 12:45 p.m., Room 210 Whitmore. Theodore L. Brown, University of Illinois, on "Chemistry of Metallic Elements in the Ionosphere and Mesosphere."

Thursday, April 25 — Urban Transportation and Air Pollution Control, 2:20 p.m., Room 112 Kern. Charles C. Mlesse, Transportation Coordinator, Air and Water Division Environmental Protection Agency, Philadelphia, on "The VMT's of Transcontrol."

Friday, April 26 — Two Cultures Dialogue, 12:30 p.m., Room 189 Materials Research Center. Dr. P. D. Bennett, marketing, on "Value Considerations in Engineering and Technology."

Lectures

Monday, April 22 — Gamma Pi Epsilon, women's pre-med society, 8 p.m., McElwain plant lounge. Dr. Edward W. Wickham, (biology).

Monday, April 22 — Population Issues Research Office sponsor, 2 p.m., Room 341 Deike. Dr. John F. Marshall, World Health Organization, on "Defining Cultural Specificities for New Fertility Regulating Methods: The Research Programme of the WHO Acceptability Task Force."

Tuesday, April 23 — George Ignorone, Yale University, on theater design and engineering, 2 p.m., Playhouse Theatre.

Meetings

Tuesday, April 23 — College of Liberal Arts faculty, 3:55 p.m., Room 121 Sparks

Wednesdays — O.T.I.S., 6:30 p.m., Room 203 HUB.

Mondays — U.S.G. Senate, 7:30 p.m., HUB assembly room.

Wednesdays — Academic Assembly, 7:30 p.m., Room 351 Willard.

Thursdays — Hotel Union Board, 7 p.m., Room 206 HUB.

Sundays — U.S.G. Supreme Court, 7:30 p.m., Room 303 HUB.

The Thalia Trio performs work for its program, which marks the first time Britten had written specifically for the medium of television. "Owen Wingrave" may also be seen Saturday, April 27, at 10:00 p.m.

Films

Monday, April 22 — Graduate Commons America Film Series by Allstate Cooke, "America: Money on the Land," 12:05 p.m., Room 112 Kern. Also HUB assembly room, 2:15 p.m.

Wednesday, April 24 — Commonsplace Theatre, "On The Waterfront," 8 and 10 p.m., Room 112 Kern.

Thursday-Sunday, April 25-28 — U.S.G. film, "Let It Be," 7:30 and 9:30 p.m., HUB assembly room.

Exhibits

Museum of Art — Selections from the Permanent Collection, Gallery A. Graphics by Six Swiss Sculptors, Gallery B. Bill Hanson, Harvard Paintings, Gallery C.

Zoller Gallery — MFA Show, opening April 22.

Chambers Gallery — Children's Art Exhibition, until April 19. Art Education Undergraduate Exhibition, opening April 20.

HUB: Art Alley — HUB Arts Committee selected pieces, previewing Arts and Crafts Festival, through April 18.

Arts and Crafts Festival, opening April 20.

Hammond Gallery — Forty paintings by Eleanor Zygler, "Images, Places and Seasons."

HUB specials

The HUB Terrace Room has initiated daily special meals for both lunch and dinner at prices well below customary cafeteria prices also. No substitutions are permitted to benefit from these reduced prices. For the next week, the features (all accompanied by approved side dishes and Sundae) are:

Sunday, April 21 — dinner, roast turkey w/d, chicken, mashed potatoes, peas, \$3.50.

Monday, April 22 — lunch, Italian, \$1.71; dinner, chicken, lasagna, \$1.71.

Tuesday, April 23 — lunch, chicken, beef w/risotto, \$1.19; dinner, hot meat sandwich \$1.41.

Wednesday, April 24 — lunch, grilled ham & cheese sandwich \$1.29; dinner, macaroni & cheese \$1.09.

Thursday, April 25 — lunch, turkey turnover \$1.19; dinner, Italian spaghetti \$1.19.

Friday, April 26 — lunch, tuna noodle casserole \$1.19; dinner, fish cakes \$1.19.

Saturday, April 27 — lunch, chicken chunk meat/rice \$3.09, dinner, franks & beans \$1.29.

WPSX highlights

"Owen Wingrave," Benjamin Britten's opera written especially for television, is "The PBS special of the Week" Monday, April 22, at 8:00 p.m. on WPSX-TV, Channel 3. Based on a short story by Henry James, the opera tells of a young English pacifist who breaks from the military traditions of his aristocratic family. It stars Benjamin Luxon as Owen Wingrave, Jane Baker as his fiancée, Peter Pears as Sir Philip, and Heather Harper as Owen's lone defender. Britten himself conducts the work for this program, which marks the first time Britten had written specifically for the medium of television. "Owen Wingrave" may also be seen Saturday, April 27, at 10:00 p.m.

State Tuesday, April 23, at 8:00 p.m. on WPSX-TV. The Trio — Joanne Zagel, violin; Leonard Faldman, cello; and Robert Baisley, piano — are all faculty members in the Department of Music at Penn State. On "Music at Penn State," they perform Beethoven's Trio No. 10 in E flat, opus 44 ("Fourteen Variations on an Original Theme") and Henry Conell's "Trio in Nine Short Movements."

"A Touch of the Poet," the third play in Eugene O'Neill's unfinished cycle of dramas about the history of one American family, is presented on "Theatre in America" Wednesday, April 24, at 8:30 p.m. on WPSX-TV. Written in 1936, the play is set in Boston during the 1820s and centers around the tragedy of an immigrant Irishman who lives in the past and considers himself more refined than the Yankee mer-

chants around him. When his daughter calls in love with a merchant's son, the Irishman sets out to horsewhip the merchant, only to confront the realities of his situation. Fritz Weaver and Carrie Nye are featured.

"Pornography: A Dilemma in Freedom vs. Censorship" is the subject of a statewide "Pennsylvania Town Meeting" Thursday, April 25, at 8:00 p.m. on Channel 3. The two-hour program will include documentary reports from each of the seven member stations of the Pennsylvania Public Television Network and a discussion of pornography by legislators, specialists, and concerned citizens around the state. At 10:00 p.m., following the Pennsylvania Town Meeting, WPSX-TV will continue the discussion with Penn State experts and area residents expressing their views.

A total of 554 in first screening

Heart risk exam program extended

A successful two-day Heart Risk Screening Program March 27-28 on the University Park campus has encouraged the Central Pennsylvania Heart Association, Continuing Education, and the College of Health, Physical Education and Recreation to schedule an extra period in June when others of the University community may take advantage of the examinations.

Examinations June 11 and 12 will be in addition to those scheduled for April 23-24, for which appointments are currently being accepted at the Association office, 238-1301. The exams will be given from 9 a.m. to noon and 1 to 5 p.m. in Room 301 Agricultural Administration Bldg.

A total of 554 persons, of varying ages, had the examination March 27-28. Officials point out that the exam privilege is available to all members of the family of

University faculty, staff, and students, and that many younger people should consider having it done. One of the measurements made is cholesterol level, considered a factor contributing to heart disease. Only a specialized test can show what a person's level is, it is pointed out.

Other factors measured include blood sugar, blood pressure, skin fold, height and weight, and to these factors are added such information as age, medical history, heredity, smoking habits, and exercise, to develop an indicator of whether the person is a likely prospect for heart disease if he or she continues with present modes of living. If a high risk is indicated, the Heart Association helps the person work out a health program with his physician to reduce the risk.

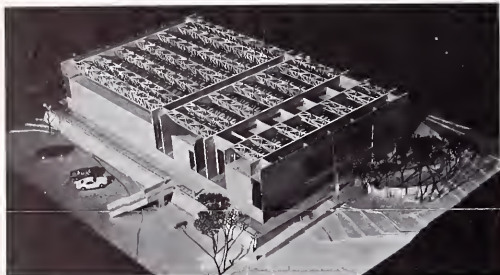
A \$3 donation is asked for each exam.

Stewart resigns as head of English

Professor David H. Stewart has resigned his position as head of the Department of English to be effective July 1, 1974, according to Dean Stanley F. Paulson. Dr. Arthur O. Lewis, Jr., professor of English and associate dean of the College of the Liberal Arts, will serve as acting head of the Department after July 1.

Dr. Stewart will continue his teaching and research as professor of English.

A search committee to recommend candidates to be considered for appointment as head of the Department is being established by Dean Paulson in cooperation with the English Department.



OGONTZ DEDICATION — The new Physical Education Building and the new west wing of Woodland at the Ogontz Campus will be dedicated Saturday, May 4, and on the same day the first Alumni Homecoming will be celebrated. President Oswald will give the principal address at the dedication, scheduled for 11:30 a.m., and Kenneth L. Holderness, vice president for Commonwealth Campuses, will make the dedication statement. At a buffet luncheon on the nearby athletic field, a talk on the visit to China by the University delegation recently will be given by Dr. Thomas F. Megner. The arts and sciences wing, which completes Woodland, will house art, music, languages, psychology, biology, computer science, and drafting. The physical education building was a \$17 million GSA project and the arts and sciences wing a \$14 million project. The Alumni Homecoming activities will include an alumni meeting, tennis match, women's softball game, exhibits of various kinds, a preview of an upcoming theatre production, Nittany Lion football films, and an Alumni Dinner/Dance, for Ogontz alumni as well as other Montgomery County alumni. James L. Torman, associate director of athletics, will be the principal speaker at the banquet, and other remarks will be made by Ross B. Lehman, executive director of the Alumni Association, and Wesley Olson, assistant professor of physical education at the Campus.

Marines to run in formation for charity

Twenty four Marine Officer Candidates, the Marine Officer Instructor and the Assistant Instructor will take part in a five-mile, in-formation, run Sunday, April 21, for the benefit of the Pennsylvania Association for Retarded Children.

Donations by area residents and former Marines will be used to assist retarded children. Pledges and contributions may be made to Major R. K. Ryman, U.S.M.C., 308 Wagner Blvd.

The Semper Fidelis Society is conducting the run, a test of physical endurance for the Marines, all of whom are current members of the "100 Mile Club" sponsored by the Society.

Contributions of any amount will be appreciated by the Club.

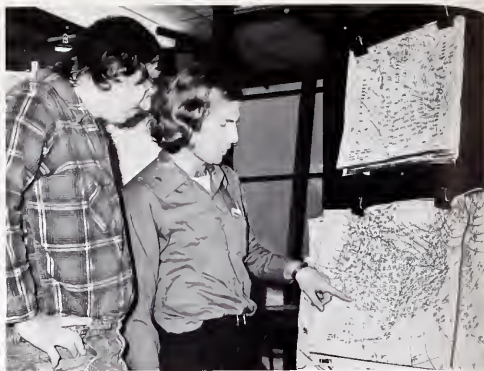
'Women Today' theme of weekly series

A series of programs on the theme, "Women Today," is being conducted by the East Halls Residential Life Program, generally on Wednesday evening at 6:30 p.m. in Findlay Hall, although the next meeting is Thursday, April 25.

This week (April 17) the topic "New Perspectives for Women" was discussed and the

session April 25 will be concerned with "The Stigma of Sex Typing," with a film, "Growing Up Female," and discussion by Patricia L. Sanders, Dr. Robert O'Connor, assistant professor of political science, and Dr. Mary Dupuis, assistant professor of education.

The programs are open to everyone.



OPEN HOUSE at the College of Earth and Mineral Sciences April 20-21 will include tours of the Meteorology Department's Weather Station, where freshman William Bus and graduate student Michael Merry are also examining a surface weather map.

Rock specimens, coal for youngsters

Something for everyone in open house

A mini-mine and a lump of coal will be extra attractions for youngsters attending the College of Earth and Mineral Sciences open house Saturday and Sunday (April 20-21).

In the mini-mine, the children will search for rock specimens, which they may take home, and if they get a numbered rock, they will win a set of mineral specimens.

The lump of bituminous coal will be in a small plastic bag, and it is being prepared

by David Snell, museum curator, who points out that many of these youngsters would never have seen coal, having lived in homes heated with oil, gas, or electricity.

Students of virtually every major field in the College have prepared exhibits of planned activities for the open house. Visitors should go first to the lobby of either Deike Bldg. or Mineral Industries, where hostesses will provide programs and direct them to exhibit areas.

Pi Lambda Theta Installation banquet

Alpha Kappa chapter of Pi Lambda Theta will hold its annual installation banquet on Wednesday, April 24, at 6:00 P.M., in the Laurel Room of the Nittany Lion Inn.

The speaker will be Dr. E-Tu Zen Sun, professor of Chinese history and a member of the recent Penn State delegation to China. Dr. Sun will speak on "The Status of Women in China".

Officers to be installed for 1974-75 are:

NEWS —

(Continued from page one)

May 4 will include the celebrity milking contest, sorority milking contest, the milk "chugging" contest and other events.

GENERAL STORES CLOSING

The yearly inventory at General Stores on the University Park campus will take place during the week of June 3, and the facility will be closed all that week.

WHO SCIENTIST LECTURE

Dr. John F. Marshall, a social scientist with the Human Reproduction Unit of the World Health Organization, will lecture Monday, April 22, at 2 p.m. in Room 341 Deike, on "Defining Cultural Specifications for New Fertility Regulating Methods: The Research Program of the WHO Acceptability Task Force." Dr. Marshall, who is on the faculty of the University of North Carolina, was responsible for the development and coordination of the forthcoming studies of the task force he will discuss. The Populations Issues Research Office is sponsor of the lecture.

BEHREND FORENSICS

Two trophies were won by the Behrend College Forensic Unit at the Eighth Annual Allegheny Individual Events Tournament held at Frostburg (Md.) College recently. Eleven colleges, from four states and Washington, D.C., participated in the

event. Advisors to the Union are members of the speech department, Dr. Ingaborg Chaly and Ernest Weckesser.

CAPITOL STUDENT HONORED

Currently an Air Force Institute of Technology student at Capitol Campus, working toward a baccalaureate degree in mechanical engineering, Major Konrad W. Trautman, former Vietnam prisoner of war, was honored at ceremonies on the Campus April 3, as he received the Purple Heart, Silver Star, and Distinguished Flying Cross, along with three other medals. Col. Alan J. Gil, professor of aerospace studies, presented the awards, which were given for gallantry and achievements recognized only now because of a long internment in a North Vietnam prison camp. He was shot down and reported Missing-in-Action on Oct. 1, 1967 and was held captive until March 11, 1973. Major Trautman has been in military service since 1944. His daughter, Diane, a student at the University Park campus, and he has a son still in high school.

SARGENT ELECTED

Dr. Harold R. Sargent, director of the Shenango Valley Campus, has been elected president of the Pennsylvania Association of Two-Year Colleges. He has served on the Executive Committee for the three years, a position to which Vernon L. Shockey, director of the Mont Carmel Campus, was elected. The Association composed of 50 community college branch campuses, private junior colleges and two-year proprietary institutions.

VISITING PROFESSOR

Dr. Laszlo Tóke, associate professor of chemistry at the Technical University of Budapest, is serving as visiting professor of chemistry at the University Park campus for the next two months. He arrived April 1 and is working with Dr. Maurice Shamma, professor of chemistry, on the total synthesis of quinuclidine alkaloids. This is Dr. Tóke's second visit to Penn State. Previously, he spent the Fall Term of 1972 as a National Academy of Sciences Exchange Scholar at Dr. Shamma's laboratory.

Staff vacancies

University faculty or staff members who are interested in any of the staff exempt or staff non-exempt jobs listed below may apply by calling Employment Division, 805-1387 (ext. line 475-1387). Do not contact the area having the vacancy. Applications will be accepted until 5 p.m., May 2, 1974.

ASSISTANT FINANCIAL OFFICER — Capitol Campus

Responsible for various financial and administrative matters, to include special accounting projects as assigned. Bachelor's degree in Business Administration with a major in Accounting or equivalent. Six months to one year experience desired.

EXTENSION ASSISTANT (YOUTH), AGRICULTURE — Philadelphia

Responsible for organizing, directing, and functioning of County Extension Programs among youth groups. High School or equivalent with one to two years effective experience or associate degree or equivalent in related areas with three to six months experience.

RESEARCH AIDE (BIOCHEMISTRY), SCIENCE — University Park

Responsible for conducting various enzymatic assays, analysis, and experi-

ments relative to protein chemistry research. Bachelor's degree in biochemistry, microbiology or equivalent with minimum of two years effective research experience in enzymology.

CLINICAL PSYCHOLOGIST, STUDENT AFFAIRS — University Park

Responsible for providing mental health services for students of the University. Ph.D. in clinical or counseling psychology or equivalent or master's degree in clinical or counseling psychology or equivalent plus three to four years applicable clinical experience. One year APA approved internship necessary.

PROJECT ARCHITECT, PHYSICAL PLANT — University Park

Responsible for the development of drawings and specifications for maintenance, alterations, and selected new construction projects for the Pennsylvania State University, including development of details, selection of materials and construction methods and specifications. Includes supervision of other personnel in development of plans and specifications. Bachelor's degree in Architecture or Architectural Engineering or equivalent plus two to four years experience as an Architectural Designer and Draftsman. Requires a working knowledge of structural and mechanical systems.

PENN STATE intercom

Volume 3, Number 32

April 25, 1974

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

Guidelines for projects also announced

Bicentennial observance committee named

The University's observance of the nation's Bicentennial will be assisted by a 28-member Commission representing faculty, students and staff.

The Commission, appointed by President John W. Oswald, held an all-day organizational meeting recently, drawing up criteria to serve as a general guide for the University's participation in the Bicentennial.

In talk opening the Commission meeting, President Oswald suggested that the Commission concentrate on a few projects of high quality that would have an enduring character and would enhance the ongoing programs of the University.

The Commission discussed a number of ideas for University participation in the Bicentennial that had been suggested by individuals and groups during the past few years. It is hoped that additional ideas will be presented to the Commission for consideration.

In addition to sponsoring a limited number of activities itself, the Commission will encourage ongoing groups to consider a bicentennial theme in their 1975-76 program ideas. It will also maintain liaison with local, state and national groups engaged in Bicentennial planning. It was pointed out at the Commission meeting that some funding will be available from the National Foundation for the Humanities and the National Foundation for the Arts for the development of programs. Commission members also are investigating other sources of external funding, particularly in view of the limited funding available from the University's own resources.

It was the sense of the Commission that Pennsylvania's crucial role in the events leading up to the birth of the nation placed the University in a strong position to develop this theme in its Bicentennial programs.

The Commission suggested a number of general guidelines for University participation in the Bicentennial. No single program will meet all these guidelines, but

Penn State Bicentennial Commission

Dr. Stanley Ikenberry (Chairman of Commission), Senior Vice President for University Development and Relations.

Dr. Stanley Weintraub (Vice Chairman), director, Institute for the Arts and Humanistic Studies.

Dr. Doris Seward (Deputy Director), Executive Assistant to the President.

Dr. James Beattie, Dean, College of Agriculture.

Dr. Robert Berneruer (retired), **George Cernacek**, President, Undergraduate Student Government.

Dr. Vladimir Dalesovsky, professor, Child Development and Family Relations.

T. Reed Ferguson, Vice President for Public Affairs.

Dr. Stuart Forth, Dean, University Libraries.

Marlene Froke, Director, Media in Continuing Education.

Dr. Paul Holtzman, professor, Speech.

William Hull, Director of Exhibitions, Museum of Art.

D. Carl Johnson, Head, Building and Planning Construction, Physical Plant.

Olsen Johnson, Head, Department of Public Information.

Dr. Eugene Kelley, Dean, College of Business of Business Administration.

Chris Kamara, Director, University Press.

Oliver LaGrone, Special Assistant to Vice President of Undergraduate Studies, Capitol Campus.

Dr. John Leathers, Director, Altoona Campus.

Dr. Margaret Matson, professor of Sociology.

Dr. Robert Murray, professor of American History.

Patricia Overdier, associate professor, Mathematics, Ogontz Campus.

Roger Richards, president, Graduate Student Association.

Dr. Rustum Roy, professor of Solid State.

Sally Smell, senior assistant librarian, Berks Campus.

Dr. Karl Stuedelink, associate dean, Resident Instruction, Health, Physical Education and Recreation.

Dr. Walter Weilers, Dean, College of Arts and Architecture.

Jacqueline O. Wells, Assistant Professor, Math, McKeesport Campus.

Dr. Philip Young, Research Professor, English.

none should be in direct conflict with them. The Commission suggested that Bicentennial plans should:

- be appropriate to the mission and character of the University;
- be accessible not only to members of the University community but to the citizens of the Commonwealth;
- enrich and contribute to the ongoing academic programs of the University;
- represent a permanent or lasting contribution;
- have some specific relevance to the Commonwealth of Pennsylvania;
- draw on the special uniquenesses and strengths of The Pennsylvania State University;
- appropriately reflect the standards of quality and excellence that should characterize the University;
- be capable of geographic mobility and accessibility;

- reflect the pluralistic character of the University and society at large;
- be designed to appeal to a broad audience;
- be appropriately articulated with the plans of communities, the State and Nation;
- accurately project the University to the citizens of the Commonwealth and enhance public understanding of the University and its programs;
- maintain a balanced Bicentennial focus on the heritage of the past, the realities of the present, the horizons of the future.

Officers of the Commission are chairman, Dr. Stanley O. Ikenberry, senior vice president for University Relations and Development; vice chairman, Dr. Stanley Weintraub, professor of English and director of the Institute for Arts and Humanistic Studies; and deputy director, Dr. Doris M. Seward, executive assistant to the President. The other members are drawn from throughout the University community.

News in brief

LANCASTER DINNER

Dr. Otis E. Lancaster, associate dean for instruction and professor of engineering education in the College of Engineering, who will retire in June, will be honored at a dinner at 7:30 p.m. on Thursday, May 30, in the Nittany Lion Inn.

Reservations for the dinner, sponsored by the College of Engineering, may be made by contacting Ernest R. Weidhaas, 101 Hammond Bldg. at the University. Reservations should be made by May 15.

Paul Ebaugh, associate dean for research in the College, will serve as master of ceremonies, and various other members of the University community will participate.

Kern information

An Information Center has been installed in the lobby of Kern Graduate Building, as the result of studies showing that reception functions of the Graduate Commons and the Graduate School could be combined to advantage. The Center has a telephone number of 865-5436, which should be called to obtain information on the Graduate School or the Commons.

The telephone number of the Graduate School Dean, Dr. James Bartoo, has also been changed, to 865-2516. Also on that same number are Associate Dean Henry Sams, administrative assistant Margaret Bell, administrative aide Madeline Harbach, and secretaries Kathy De Verter and Brenda Grenoble.

MASTELLER GETS FELLOWSHIP

Dr. Edwin Masteller, associate professor of biology at Behrend College, has received a Senior Fulbright Research Fellowship for study in Germany, specifically at the Max Planck Institute for Lymphology, at Schiltz, West Germany. Earlier he was granted a year's leave of absence, beginning Aug. 1, to study the techniques of determining productivity in lotic systems, primarily with insects. He has made studies of this nature in streams flowing into Lake Erie.

(Continued on page four)

Murray's interest in Harding started with a monument

Until a few years ago, Warren G. Harding's reputation had no place to go but up. That his image is beginning to change is due in large part to the trips a boy from Columbus, Ohio, made during the 1930s to visit his grandfather in Indiana.

"Marion, when Harding lived, lies directly on the route we used to take," recalls Dr. Robert K. Murray, professor of American history and author of "The Harding Era."

"The road went by the Harding memorial, which is a magnificent one, and naturally, I asked about it. My Republican family always seemed embarrassed by my questions. Still, I was impressed; I didn't get to see that many monuments."

As a graduate student at Ohio State (where he earned his B.A., M.A. and Ph.D. in history along with a B.Sc. in education), Dr. Murray encountered plenty of disparaging remarks about Harding once he began to do research in modern American history.

"Yet I found that in some respects, Hard-

ing was quite unusual," he says. "Woodrow Wilson, the idealist, had kept Eugene Debs in jail for pacifism and put other radicals behind bars. Harding freed them. This was quite contrary to the mossback type of reaction one would have expected. I began to get interested in him, so when his papers were opened, I was among the first to go and take a look."

"Originally, I went to see what he was like in a personal, anecdotal sort of way, assuming that the things that had been said about him politically were largely true. When I read his letters, I became convinced he was not the complete misfit other historians had held him out to be."

Harding's downfall arose from the Teapot Dome scandals following his administration. Although he was innocent of malfeasance on his own, he tried to cover up for friends who were guilty. The parallels with Watergate are obvious and have made Dr. Murray a sought-after speaker on college campuses.

(Continued on page four)



Dr. Robert K. Murray. Behind him, a model of the Alabama, dreadnaught of Union shipping in Civil War. Dr. Murray builds such models to occupy his hands — during the football season.

TIAA-CREF retirement plan under study as SERS alternative

On March 1, 1974, Governor Milton Shapp signed Act 31 which provides many major changes in the State Employees' Retirement System as described in an earlier INTERCOM article dated Feb. 14, 1974. The final legislation contains a provision granting authority to the University to establish an alternate retirement program.

Over the years, many faculty members have expressed their interest in a retirement plan to serve as an alternate to the State Employees' Retirement System. Some expressed disappointment that the University was heretofore unable to offer the plan of retirement provided by the Teachers Insurance and Annuity Association of New York (TIAA) and TIAA's variable annuity plan provided by TIAA's College Retirement Equity Fund (CREF).

The alternate plan now under consideration is that of TIAA-CREF. It is under

intensive review and study. The Fringe Benefits Subcommittee of the Faculty Affairs Committee of the Senate has reviewed the basic proposal being considered. Plans are to complete the review and present the proposed plan to the Board of Trustees at their May, 1974 meeting for consideration and approval.

When approval of the plan is secured, members of the faculty and staff will be provided an ample period of time (nine months from the effective date selected) to study and review the alternate plan's provisions prior to reaching their decision about the plan they will select. (Employees may remain in the State Plan if they wish.)

Complete details on the plan will be presented to all employees of the University as soon as it is practical to do so.

Students select him for teaching excellence

Richey wins Science award

Dr. Herman G. Richey, professor of chemistry, has been presented the third annual College of Science Student Council C. I. Noll Outstanding Teacher Award for excellence in undergraduate teaching.

A bronze plaque was presented to Dr. Richey at a banquet in his honor Monday night which Dr. C. I. Noll, dean emeritus, Dr. Thomas A. Warlick, dean, department heads, and Student Council members from the College of Science attended.

The Noll Award was established in 1971 through a grant from College of Science alumni. Originally called the Outstanding Teacher Award, its name was changed this year to honor Dean Noll, dean of the College of Science when it was organized in 1963.

Dr. Richey was chosen by the Selection Committee from nominations submitted by students in the College of Science.

In their nominations students most often cited Dr. Richey's competence as a teacher and dedication as an advisor.



Dr. Herman G. Richey and the C. I. Noll award for excellence in undergraduate teaching in the College of Science.

Lectures: architecture, journalism, space, taste

Malcolm Wells, architect, ecologist, journalist, and philosopher, will lecture on "Gentle Architecture" Thursday, May 2, at 7:30 p.m. in Room 102 Forum. The talk, which is subtitled "The Search for Ways to Build without Destroying the Land," will be concerned with the unique approaches to the ecological problems of architecture. Wells is a regular columnist for the Philadelphia "Bulletin" and has published articles in "Harpers" and many architectural magazines.

Norman A. Cherniss, executive editor of the Press-Enterprise paper in Riverside, Ca., will give a talk before initiates of Kappa Tau Alpha, journalism honor society, today (Thursday, April 25) at 7:30 p.m. in Room 102 Forum. The lecture is also open to the public. Cherniss is a Harry Newman Fellow in 1958-59, has served on the Press-Enterprise since 1953 and has held his present title since 1971. He has served as visiting lecturer at U.C.L.A. and at the University of Southern California.

"Progress and Potential in Space Sciences" will be the topic of a lecture, sponsored by the department of astronomy, by Dr. John E. Naugle, NASA deputy associate administrator for space science,

today (Thursday, April 25) at 8 p.m. in Room 102 Forum Building. Dr. Naugle, associated with NASA since 1959, has administered NASA programs in lunar exploration, launch vehicles, and propulsion and has been in charge of programs which use spacecraft and sounding rockets to explore the Earth's environment, make astronomical observations, and study the sun, planets and moon.

The second annual E. A. Day Memorial Seminar in Food Science will be held on Friday, May 3, at 2:20 p.m., Room 301 Agriculture Administration.

The speaker will be Dr. Morley Kare, director of The Monell Chemical Senses Center, University of Pennsylvania. His lecture will be entitled, "The Sensation of Taste."

This special lecture will be held annually in memory of the late Dr. Edgar Allen Day. Dr. Day was adjunct professor of food science at Penn State and executive vice president of International Flavors and Fragrances, Inc., prior to his death at the age of 44. IFF is the world's largest manufacturer of flavors and perfumes, and Dr. Day brought to it his expertise as a widely recognized authority on food flavor chemistry.

The Arts: Thespians, Orchest, music

The hit musical "Fiddler on the Roof" will be performed for the first time on a Centre County stage by the Penn State Thespians May 8 through 11 in Schwab Auditorium. Curtain time is 8:30 p.m. for evening performances and 2 p.m. for the Saturday matinee.

"Fiddler" holds the record as longest-running show on Broadway, and was made into an Academy Award winning motion picture. Such familiar songs as "If I Were a Rich Man," "Matchmaker," "To Life," "Miracle of Miracles," and several others are featured.

Thespians, now in its 76th year and the oldest chartered organization on campus, has selected David Hochy (Grad. Theatre Arts) to direct "Fiddler." Hochy directed the Thespians' production of "Hello, Dolly!" last spring and choreographed "Stop the World, I Want to Get Off" in the fall of '72.

Merrill Plaskow, who appeared as Horace Vandergelder in "Hello, Dolly!," heads the 40-member "Fiddler" cast as Tevye, the delightful milkman who always manages to keep his wits about himself, even when his world seems shattered in pieces around him.

Tickets for "Fiddler on the Roof" will go on sale in the HUB April 29. Mail order coupons from local newspapers may be used for reservations may be made by calling 238-8671. Ticket prices are: Wednesday, Thursday evening and Saturday matinee, \$2; Friday and Saturday evenings, \$2.50.

Tickets are available at White Building, Kern Graduate Building and the HUB for the performances May 2, 3 and 4 (including a May 4 matinee) of the annual dance concert by Orchestras Dance Club. The show is called "Opus 1974" and is under the artistic direction of Patricia Heigel, instructor of dance in the College of Health, Physical Education and Recreation. Women's Recreation Association is sponsor.

Tickets at \$1 for adult non-students and 50 cents for children (University students must obtain tickets but there is no charge) are being sold at White Bldg. (from 8 a.m. to 5 p.m.; at Kern from 11 a.m. to 2 p.m.; and at the HUB desk from 8 a.m. to 5 p.m.)

Twelve original choreographic works will be performed by the dancers, with many individual styles of dance, and some convey an idea or a mode and others contain

a more formal design and style. The dancers represent a number of different colleges of the University; seven of the 21 members of Orchestras are dance majors in the College of Health, Physical Education and Recreation.

Curtain time is 8:30 p.m. for evening performances, 2:30 p.m. for the matinee.

The Thalia Trio — violinist Joanne Zagari, cellist Leonard Feldman, and pianist Robert Baileys — will play trios by Ravel and Smetana in their last concert of the current season Wednesday, May 1, at 8:30 p.m. in the Music Bldg. recital hall. Ravel's 1914 Trio is considered the original source of the composer's influence on the American jazz idiom. The Smetana work is patterned after the dumka, a Slovakian dance form. It was composed in 1855.

John Shannon, a candidate for the master of fine arts degree in the music department, will perform an organ recital of works by seven composers at 8:30 p.m. Monday, April 29, in the Music Bldg. recital hall. Shannon, who holds the bachelor's degree of music from Westminster College, Princeton, N.J., will be assisted by Dr. D. Douglas Miller and a chamber orchestra of music students in the performance of Handel's "Concerto in F Major." Also selected for performance are compositions by Couperin, J. S. Bach, Widor, Pachelbel, Durufle, and Vierne.

In writing

Dr. Graham B. Spanier, assistant professor of human development, is co-editor of "Selected Studies in Marriage and the Family," 4th edition, recently published by Holt, Rinehart, and Winston. The volume is a collection of research articles and essays on the sociology and the social psychology of the family. Preceding the selections is an introductory essay by Dr. Spanier and co-editor Dr. Robert F. Winch, of Northwestern University, on the methodology of science. It is followed by a general theme of the family designed to give the student appropriate background to understand the selections. A discussion on changing and emerging family patterns in America and a selection containing systematic coverage of socialization with respect to sex roles are included.

Funding Opportunities

Instruction—Research—Continuing Education—Fellowships

For more information and funding source information, call 855-1372.

April 25, 1974

(125-1) Directors of NSF's Research Management Improvement Program have issued two related program solicitation notices, May 1, 1974 deadline. The first solicitation is called "Improved Management of Large Scale Interdisciplinary Research Projects" and asks for proposals aimed at improved management of research projects for federally supported interdisciplinary research. Some specific areas are: the relationship of institutional organization and policies to project management; management strategies for planning, initiating, and conducting projects; techniques for effective communication among project personnel, and allocation of research resources. Projects may be awarded for up to twenty-four months duration. Full calls may be provided. (Ref. NSF 74-13)

The second solicitation falls under the title "Improved Management of Large Research Laboratories and Large Specialized Research Facilities." To qualify, these units must receive at least \$1 million in operational and project support for research. Objectives include: developing innovative managerial and organizational methods and procedures, fostering extensive use of management alternatives to achieve greater productivity and cost-effective research support services, and exploring consequences of managerial and organizational al-

ternatives. A twenty-four month project period is allowed. Full calls may be provided. (Ref. NSF 74-14)

(126-2) Applications are being accepted by the Office of Education (OE) for High School to Reserve Teacher Training Program Development grants. Most right to read awards will fall in areas of preservice teacher training, right to read states program, school-based program, community-based program, and special projects for national impact. Unsolicited proposals will be considered but will not receive priority. Applications may be received by OE on or before May 14, 1974. (Ref. 39FR13023/13017, 4/10/74) (CFOA 15,333).

(126-3) The Low Enforcement Assistance Administration (LEAA) has issued a Guide to Discriminatory Grant Programs. Program objectives include the advancement of national priorities, attention to programs not emphasized in state plans, and special impetus to reform and experiment within the total law enforcement structure. Copies of the guide are available from: LEAA, Dept. of Justice, 333 Chestnut St., Suite 800, Philadelphia, Pa. 19106. (Ref. 39FR 12061, 4/2/74)

(126-4) Through NASA's Life Scientist Program, faculty are invited to spend a year at a NASA Center to undertake special studies and/or acquire experience in space flight related aspects of the individuals' life science specialty. Program

assignments are available at the Johnson Space Center, Houston, Texas and the Ames Research Center, Moffett Field, Ca. At Johnson, cardiology/cardiophysiology and neurophysiology are the program assignments. At Ames they are human vestibular physiology, cardiovascular/vestibular research, and chemistry or biotechnology. Nominations from institutions must be received by May 31, 1974. For additional information contact H. S. Brownstein, Director, Program Planning and Control, Office of the NASA Director of Life Science, Washington, DC 20546 (202)755-2252.

(126-5) Through grants from the Office of Education, State Postsecondary Education Commissions will inventory and study "all public and private postsecondary educational resources in the state including the planning necessary for such resources to be better coordinated, improved, expanded or altered so that all persons within the state who desire and qualify for postsecondary education may have an opportunity to do so." Applications from Commissions must be received by OE on or before May 16, 1974. (Ref. 39FR13189, 4/11/74)

(126-6) The U.S. Dept. of Labor supports a Doctoral Dissertation Grant Program authorized by the Department of Labor's Manpower Development Training Act (MDTA) (1962). The goal is the support of dissertation research of Ph.D. candidates who have completed all course work and whose dissertation topics are related to manpower. Under the Small Grants Program, awards for dissertation research are made to universities. Occasional grants are made to individuals in the social sciences and related fields. For more in-

formation on the Manpower Research Institute Grant Programs and Small Grants to conduct MDTA exploratory or feasibility studies, contact the National Manpower Admin., PO Box 8796, Philadelphia, Pa. 19151 or call U.S. Dept. Labor, Washington, DC (202)76-6132.

(126-7) The National Endowment for the Arts (NEA) Media Studies program has been established. NEA will support innovative programming on film, television, and radio. Grants may be used for public media arts programming, experimental projects in film, videotape, and audio recording. Assistance is also available for audio film centers, development of film course curricula, and sponsorship of seminars for in-service film studies may apply for awards on behalf of individuals who have three or more years of relevant postdoctoral experience. The candidate must have been born in the United States, have lived in the U.S. and less than 40 years old. The award is for up to five years, on a full time 12-month basis, with maximum salary contribution set at \$10,000 per year. Grants must be received at NEA no later than June 1, 1974. Awards will be announced by January 1975. For information and applications, contact: Office of Research and Development, Division of Research Grants, NEA, Bethesda, Md. 20814 (301)496-7221.

University Calendar

April 25-May 5, 1974

Special Events

Thursday, April 25 — Special meeting of HOPS for faculty and staff members, on "The Relevance of HOPS," 8 p.m.; for place call 863-0298, Tuesday, Friday or Sunday, 7-11 p.m.

Friday, April 26 — East Hills Residential Life program on "Women Today," 6:30 p.m., Findlay Hall Lounge. Topic: "The Stigma of Sex Typing," with Patricia Sanders, Dr. Robert O'Connor, and Dr. Mary Dupuis, with film, "Growing Up Female."

Thursday, April 25 — GSA Workshop on canning and preserving, 7:30 p.m., Room 112 Kern.

Thursday-Saturday, April 25-27 — Penn State Aquatic Institute and Hall of Fame, Nantatium.

Friday, April 26 — Penn State Wind Ensemble, 8:30 p.m., Music Bldg. recital hall.

Friday, April 26 — Folk and Square Dance Roundup, 7:30-9 p.m., North Gym, White.

Friday, April 26 — Commonsplace Coffee-house, 8 p.m., Room 102 Kern.

Friday, April 26 — Eco-Action film and lecture on "The Living Environment," by Dr. Louis T. Kardos, 7 p.m., HUB main lounge.

Friday, April 26 — Liberal Arts Career Day program, 1:30-5 p.m., various rooms in Kern. Keynote talk, 1:30 p.m., by Roger Hetzel, Room 112 Kern, on "Liberal Arts and Careers."

Saturday, April 27 — Bicycle Rally, sponsored by Free-U as part of Earth Week,

starting from Parking Area 80 at 2 p.m. Tour through State College, in support of bicycling for health, environment and transportation reasons.

Saturday-Sunday, April 27-28 — Stamp exhibition and bourse, by Mt. Nittany Philatelic Society, assembly room of Nittany Lion Inn, Saturday 10 a.m.-5:15 p.m. and 8-10 p.m.; Sunday, 10 a.m. to 5 p.m.

Saturday, April 27 — 57th Little International Livestock Exposition, sponsored by Black and Bridge Club; competition in beef cattle, swine, sheep and horses, 8 a.m. to 5 p.m.

Saturday, April 27 — Sports: Men's lacrosse, vs. Rutgers, 8 p.m.; women's softball, vs. SUNY-Cortland, 2 p.m.

Saturday, April 27 — Football team family-camera day, 1 p.m., Beaver Stadium; scrimmage at 2 p.m.

Saturday-Sunday, April 27-28 — Sports: Rugby, Phyrst Tournament.

Sunday, April 28 — Penn State Concert Blue Band, 3 p.m., Schwab.

Sunday, April 28 — Sports: Men's baseball, vs. Rider, 1 p.m.

Sunday, April 28 — Lee Ann Kennedy, poetry demonstration, 12 noon, lobby of Kern.

Sunday, April 28 — Friends of India Celebration, Indian entertainment, films, 6 p.m., Rooms 102, 104 and 112 Kern.

Sunday, April 28 — Chapel Service, 11 a.m., Eisenhower Chapel. Rev. Raymond Dibble, pastor. State College Christian and Missionary Alliance.

Sunday, April 28 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

Sunday, April 28 — Eastern Orthodox Divine Liturgy, 10 a.m., HUB assembly room.

Monday, April 29 — John Shannon, organ recital, 8:30 p.m., Music Bldg. recital hall.

Tuesday-Wednesday, April 30-May 1 — Alpha Phi Omega Bloodmobile, 9 a.m.-5 p.m., HUB Ballroom.

Tuesday, April 30 — Sports: Women's lacrosse, vs. Millersville, 2:30 p.m.; women's tennis, vs. East Stroudsburg, 3 p.m.

Tuesday, April 30 — Eastern Orthodox Vespers, 7:30 p.m., Eisenhower Chapel.

Tuesday-Friday, April 30-May 3 — Peace Corps/Vista Recruiting, 8 a.m.-5 p.m., lobbies of Boucke and Chambers Bldgs. Seniors and graduate students, all majors; also non-students.

Wednesday, May 1 — East Hills Residential Life program on "Women Today," 6:30 p.m., Findlay Hall Lounge. Topic: "The Family — Will It Last?" with Dr. Eloise Snyder and Dr. Helen Meahl.

Wednesday, May 1 — Thalia, Trio, 8:30 p.m., Music Bldg. recital hall.

Wednesday-Thursday, May 1-2 — University Theatre, student preview of "The House of Bernarda Alba," 8 p.m., Pavilion Theatre.

Wednesday, May 1 — Noontime concert, 12:15 p.m., lobby of Kern.

Thursday-Saturday, May 2-4 — Annual Dance Concert of Orchestra Dance Club, "Open 1974," 8:30 p.m.; matinee performance Saturday, May 4 at 2:30 p.m., White Hall Dance Theatre. Tickets required.

Friday, May 3 — Free-U jammy, 7:30-11:30 p.m., HUB ballroom.

Friday-Saturday, May 3-4 — University Theatre, "The House of Bernarda Alba," 8 p.m., Pavilion Theatre.

Friday, May 3 — Sports: Men's lacrosse, vs. Lehigh, 8 p.m.

Friday, May 3 — Commonsplace Coffee-house, 8 p.m., Room 102 Kern.

Friday-Saturday, May 3-4 — Spring Week Carnival, "Movie Mania," Intramural fields near Beaver Stadium, Friday, 7 p.m. to midnight, Saturday, 7 a.m. to midnight. Saturday afternoon activities for children, puppet show and amusement rides. Benefit of Renaissance Fund.

Saturday, May 4 — Keystone Drill Meet, 8 a.m.-5 p.m., Ice Pavilion.

Saturday, May 4 — Sports: Rugby, vs. Barbarians.

Saturday, May 4 — U.S.G. Spring Week Dance Concert, 8 p.m., Rec Hall. Group Performing: Law. Limited number of tickets on sale at HUB desk.

Sunday, May 5 — Marcus Chubbuck, piano recital, 3:30 p.m., Music Bldg. recital hall.

Sunday, May 5 — German Club play, 8 p.m., Room 112 Kern.

Sunday, May 5 — Chapel Service, 11 a.m., Eisenhower Chapel. Rabbi Theodore H. Gordon, Main Line Reform Temple, Beth Elshin, Wyndwood, Pa.

Sunday, May 5 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

Seminars

Thursday, April 25 — Meteorology, 3:55 p.m., Room 28 Mineral Sciences. Dr. Nils Buch, Danish Atomic Energy Commission, on "Atmospheric Boundary Layer Research at Risø."

Thursday, April 25 — Agronomy, 3:30 p.m., Room 101B Ag. Administration Bldg. C. H. Chu on "The Effects of Water, Soil Power Renovation and Solts in the Agri-Power-Water Water Complex."

Thursday, April 25 — Chemistry, 12:45 p.m., Room 210 Whitmore, Theodore L. Brown, University of Illinois, on "Chemistry of Metallic Elements in the Ionosphere and Mesosphere."

Thursday, April 25 — Urban Transportation and Air Pollution Control, 2:20 p.m., Room 12 Kern. Charles C. Miesse, Transportation Coordinator, Air and Water Division Environmental Protection Agency, Philadelphia, on "The VMT's of Transportation."

Thursday, April 25 — Philosophy, 4 p.m., Room 251 Willard, Dr. Drew Hylton, Trinity College, Hartford, and Dr. Jeffrey Reiman, American University, Washington, on "Political Nihilism."

Friday, April 26 — Two Cultures Dialogue, 12:30 p.m., Room 169 Materials Research Lab. Engineering Dean N. J. Palladino and Dr. P. D. Bennett, marketing, on "Value Considerations in Engineering and Technology."

Monday, April 29 — Inter-Science, 4 p.m., Room 310 Whitmore, Dr. Barry Cooperman, University of Pennsylvania, on "Mechanisms of Phosphoryl Transfer."

Monday, April 29 — Genetics, 3:55 p.m., Room 111 Tyson. Miss Naomi Gusowski, biology, on "Behavioral Genetics of Drosophila; Fate Mapping of Mosiacs As a Technique for Locating Physiological Origin."

Monday, April 29 — Plant Pathology, 9:45 a.m., Room 213 Buckhout, Thomas Starkey on "The Interactions of Plant Pathogens and Indigenous Leaf Surface Microorganisms."

Monday, April 29 — New Communities, 2 p.m., Room 322 Sackett, David R. Goddard, urban and regional planning, University of North Carolina, on "Citizen Participation in New Community Planning and Development."

Monday, April 29 — Computation Center, 7:30 p.m., STPAC (4), Room 1010 Osmond. Conrad J. R. Room 109 Osmond.

Monday, April 29 — Computer Science, 4 p.m., Room 101 Althouse. R. D. Bergeron, Computer Graphics Group, The Netherlands, on "An Environment for Defining Layered Programs."

Thursday, April 30 — Environmental Pollution Control and Solid Waste Management, 2:20 p.m., Room 140 Fenske. Lee Saperstein, mining engineering, on "Management of Mining Wastes — What

Would You Do With a Billion Tons Each Year?"

Tuesday, April 30 — Geoscience, 4 p.m., Room 26 Mineral Sciences, Barry Voigt, geology, on "Stress History and Rock Stress."

Tuesday, April 30 — Chemical Engineering, 3:45 p.m., Room 140 Fenske. Thomas W. Gorman, University of Wisconsin, on "Chemical Engineering Problems in Hydrometallurgy."

Tuesday, April 30 — Microbiology, 4 p.m., 522 Frear, J. Moore on "The Characterization and Ecology of Bacteriophage Active Against the Soil Actinomycete *Agromyces ramosus*."

Wednesday, May 1 — Animal Nutrition and Nutrition, 3:55 p.m., Room 111 Animal Industries. M. Mahoney, psychology, on "Behavioral Modification of Obesity."

Thursday, May 2 — Chemistry, 12:45 p.m., Room 310 Whitmore. Robert Merrill, University of California, Berkeley, on "Interaction of H₂ and O₂ with Platinum Single Crystals."

Thursday, May 2 — Agronomy, 3:30 p.m., Room 111 Tyson. M. Grove on "Some Competitive Effects of Weeds on Yield, Percent Leaf Nitrogen and Physiological Age of Field Corn."

Thursday, May 2 — Physics, 3:35 p.m., Room 117 Osmond. J. R. Klauer, Bell Telephone Laboratories, Murray Hill, N.J., on "Recent Developments in Field Theory."

Thursday, May 2 — Meteorology, 3:55 p.m., Room 28 Mineral Sciences. Albert Weiss, Cornell University, on "Airflow Above and Between Rows of a Vineyard."

Thursday, May 2 — Urban Transportation and Air Pollution Control, 2:20 p.m., Room 112 Kern. George Smerk, transportation, Indiana University, Graduate School of Business, on "Can Transit provide a Viable Alternative to the Automobile."

Friday, May 3 — Analytical Chemistry, 11:10 a.m., Room 333 Whitmore. A. L. Yergey, Scientific Research Instruments Corp., on "Chemical Ionization Mass Spectrometry."

Films

Thursday-Sunday, April 25-28 — U.S.G. film, "Let It Be," 7:30 and 9:30 p.m., HUB assembly room.

Monday, April 29 — Graduate Commons America Film Series by Alstair Cooke, "America: The Huddled Masses," 12:05 p.m., Room 112 Kern. Also HUB assembly room, 2:15 p.m.

Wednesday, May 4 — Commonsplace Theatre, "Time Machine," 8 and 10 p.m., Room 112 Kern.

Lectures

Thursday, April 25 — Dr. John A. Naugle, NASA deputy associate administrator for space science, on "Progress and Potential in Space Sciences," 8 p.m., Room 102 Forum, sponsored by Department of Astronomy.

Monday, April 29 — Biological Lecture Series. Dr. Jean Mayer, nutrition, Harvard University, on "Regulation of Food Intake and the Obesities," 2:30 p.m., Room 112 Kern. "Domestic Food and Nutrition Problems," 8 p.m., Room 112 Kern.

Tuesday, April 30 — Spanish, Italian and Portuguese, 8 p.m., Room 101 Kern. John E. Englekirk, visiting professor of Spanish from U.C.L.A., on "The Frontier in the Literature of the Americas."

Thursday, May 2 — Malcolm Wells, architect, ecologist, journalist, and philosopher, on "Gentle Architecture," 7:30 p.m., Room 102 Forum. Sponsored by the Department of Architecture.

Thursday, May 2 — Dr. Pedro A. Grases, Venezuelan historian and scholar, on "The Ideology of Latin American Independence: Historical and Contemporary Perspectives," 8 p.m., Room 26 Mineral Sciences. The lecture is sponsored by the Latin American Studies Committee and the University Committee on International Programs.

Friday, May 3 — Food Science Annual E. A. Day Memorial Lecture, 2:20 p.m., Room 201 Ag. Adm. Bldg. Dr. Morley R. Kare, Professor of Physiology and Director, Monell Chemical Senses Center, University of Pennsylvania, on "The Sensation of Taste."

Artists Series

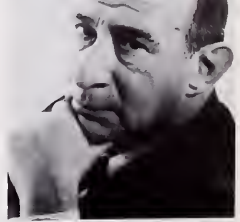
Tickets go on sale Monday, April 29, for the Artists Series programs May 8, 10 and 11 by the Pittsburgh Symphony Orchestra and the University Choirs in the new University Auditorium. The tickets for the three performances will be on sale at the box office at the Auditorium from 10 a.m. to 6 p.m. daily.

Three performances have been scheduled to accommodate the expected large numbers of people wishing to hear and see the performance of Beethoven's Ninth Symphony with soloists Phyllis Curtin, soprano, Betty Allen, mezzo soprano, Seth McCoy, tenor, and Ara Berberian, bass.

The program will open with the Berlioz overture to *Benvenuto Cellini*.

(Note that season ticket holders must exchange their Recreation Hall tickets for one of the three performances in the Auditorium and that April 27 is the final date to receive priority for this exchange.)

William Steinberg, who has made an annual visit to the campus for one of the highest performances of the Artists Series season, will direct the orchestra. The Choirs were directed in their preparation by Raymond Brown, professor of music. The three performances are at 8:30 p.m.



William Steinberg, returning once again, to give premiere performance of the University's new auditorium, with the University Choirs, May 8, 10 and 11.

Meetings

Mondays — O.T.I.S., 6:30 p.m., Room 203 HUB.

Mondays — U.S.G. Senate, 7:30 p.m., HUB Assembly room.

Wednesdays — Academic Assembly, 7:30 p.m., Room 351 Willard.

Thursdays — Hetzel Union Board, 7 p.m., Room 206 HUB.

Sundays — U.S.G. Supreme Court, 7:30 p.m., Room 203 HUB.

Exhibits

Museum of Art — Selections from the Permanent Collection, Gallery A. Graphics of Six Swiss Sculptors, Gallery B. Bill Hanson, Harvard Paintings, Gallery C.

Zoller Gallery — MFA Show, to May 3.

Hammond Gallery — Forty paintings by Eleanora Zyglis, Images, Places and Seasons, until April 28.

Pattee Library — Photographs by Steve McCurry, first floor east.

WPSX highlights

"Wall Street Week," the only regularly scheduled television series devoted to the economic aspects is the subject of its normal format to present a videotaped visit to a local brokerage house Friday, April 26, at 8:30 p.m. on WPSX-TV, Channel 3.

Medical ethics and medical experimentation on human beings is the subject of an hour-long "Nova," documentary Sunday, April 28, at 7:30 p.m. on Channel 3. The program begins with a look at the medical experimentation code that resulted from the war crimes trials at Nuremberg and goes on to explore the ethical problems surrounding medical experimentation on American convicts and mentally retarded children. "Nova" may also be seen Saturday, May 4, at 2:00 p.m.

Rhodesian Prime Minister Ian Smith, whose white supremacy policies have been described by Forbes magazine as "unabashed racism," confronts William F. Buckley, Jr., in the second of two "Firing Line" debates recorded in London, Friday, April 28, at 10:00 p.m. on WPSX-TV.

"Lorraine Hansberry: To Be Young, Gifted, and Black," a unique biography of the late black playwright who wrote "Raisin in the Sun," is featured on "Theatre in America" Wednesday, May 1, at 8:30 p.m. on WPSX-TV. Ruby Dee and Al Freeman, Jr., star in the play.

HUB specials

The H.U.B. Terrace Room has initiated daily special meals both lunch and dinner at prices much below customary cafeteria prices. No substitutions are permitted to benefit from these reduced prices. For the next week, the features (all accompanied by appropriate side dishes and beverages) are:

Sunday, April 29 — dinner, baked ham w/sauce \$1.01; supper, Welsh rabbit w/rst. \$1.11.
Monday, April 29 — lunch, grilled beef steak \$.99; dinner, pleasers beef w/noodles \$1.49.
Tuesday, April 30 — lunch, grilled chicken sandwich \$1.09; dinner, frenks and meat \$1.39.
Wednesday, May 1 — lunch, roast prime rib \$1.11; dinner, turkey ala king/rst. \$1.69.
Thursday, May 2 — lunch, apple fritters w/bac. \$1.12; dinner, hot beef sandwich \$1.41.
Friday, May 3 — lunch, egg/cul-de-sac \$.89; dinner, shrimp creole w/rice \$1.49.
Saturday, May 4 — lunch, macaroni & cheese \$.81; dinner, meatloaf \$1.39.

MURRAY—

(Continued from page one)

"Harding fell down as President because he was not willing to base his faith on the good will of the American people," Dr. Murray comments. "If he had told the truth, he might have found that the public is very forgiving and usually respects honesty. I wish Nixon was a better historian. If he is not guilty, he, too, has been mainly responsible for damaging his own reputation."

Dr. Murray traces the escalation of Harding's troubles and the gulpoists they present today.

"The President is almost always one of the first, not the last, to know about corruption in his administration. Harding heard rumors about his associates; these things are hard to hide from a President. He talked to some of the culprits, and they denied it. Then, despite the fact that he was given irrefutable proof, he took no aggressive, legal, direct action, hoping things would blow over."

"The next stage found the President beginning to make excuses, to tell half-truths. The credibility gap between him and the press widened, and the newspapermen became increasingly antagonistic."

"The President began to worry and brood. He withdrew into Presidential secrecy and prerogative."

"Growing pressures began to affect his health. (Although Harding's death from a coronary was a natural one, it probably was hastened by events.)"

"Inevitably, the President surrendered the initiative, and others seized it. A relatively simple scandal became exaggerated and ramified as rumors flew about. Congress

McKay Donkin Award nominations are sought

The Committees appointed by President Oswald for the purpose of recommending candidates for the McKay Donkin Award request assistance in nominating persons eligible for the award.

The award was established in 1969 in honor of the late McKay Donkin, who served as Vice President for Finance and Treasurer of the University from 1957 to 1958. It is to be awarded to the full-time member of the faculty, staff or retiree who has contributed most to the "economic, physical, mental or social welfare of the faculty" of the University.

The contribution of the nominee should be for duties or services

which are above and beyond his regularly assigned duties. The award consists of \$500 and a certificate. Previous awardees have been William G. Mather, Ernest B. McCoy, Samuel C. Blazer, and Eugene Weststone.

Recommendations for the award should be sent to any member of the Committee by Friday, May 10, 1974. Included with any recommendation should be information supporting the basis for the recommendation.

Committee members are Ray T. Fortunato, Room 108 W. Building; Asa J. Berlin, 104 Psychology Building; and N. J. Paladino, 101 Hammond Building.

NEWS—

(Continued from page one)

BICYCLE TOUR

"Cycle Awareness" will be promoted Saturday, April 27, with a bicycle tour of State College sponsored by Free-U and with the support of department of architecture students, Education, Penn State Cycle Club, and the Centre Region Hike-Bike Association. The rally-tour will start from Parking Area 80 (north campus) at 2 p.m. and follow a route in the community as approved by Borough Council. The tour is part of Earth Week activities, open to everyone on a bicycle, to dramatize biking for health, environmental and transportation reasons.

ECONOMY TALK

Arthur M. Hughes, director of economic policy in the Office of Policy Analysis and Evaluation, Federal Energy Agency, will discuss "Planning for Political Independence." Tuesday, May 7, at 8 p.m. in the J. Orvis Keller Bldg., as part of the S&H Environmental Economics Lecture Series, a Continuing Education Service of the College of the Liberal Arts. Various approaches to energy self-sufficiency for the nation during the 1980s will be discussed.

SCRANTON MEETING HOST

The Worthington Scranton Campus will host the 40th annual meeting of the Pennsylvania Junior Academy of Science April 25, 26 and 27 at Mt. Airy Lodge in the

Poonos. Dr. Robert Naismith, assistant professor of biology at the campus, is state chairman for the annual meeting. Dr. Laurence Golden, assistant professor of physics, is serving as awards chairman. Dr. Edward K. Kravbill, campus director, will welcome the expected 1,400 participants, including teachers and students from throughout Pennsylvania.

PREREGISTRATION

Students who are not planning to enroll for Summer Term and want to pre-register for Fall Term 1974 may file complete preregistration forms with the Records Office at 112 Shields Building between May 6 and May 24.

Preregistration forms may also be filed at Summer Term 1974 registration or at 112 Shields Building during the first 21 days of Summer Term, June 12 through July 2, 1974.

LITTLE INTERNATIONAL

Block and Bridle Club will sponsor the 57th annual Little International Livestock Exposition Saturday, April 27, in the Ice Rink Pavilion, beginning at 8 a.m. and continuing all day. Showmanship and fitting competitions will be held in beef cattle, sheep, swine, and horses, and winners of the four classes will then compete for the Master Showman Award by showing in all four classes. A raffle, tickets for which will be available at the door, will be held with a hind quarter of beef as prize.

1924, where delegates cast 103 ballots during a two-week period.

"Everything that could happen to a political party in the way of splintering, dividing and bloodletting occurred there," he says. "A very real parallel exists between the situation of the Democratic Party then and at its 1972 Convention. Then, as now, the Party was in a state of flux, trying to find a new coalition and somebody to lead it."

"At the 1972 Convention, the issues were non-political: abortion, blacks, ethnic groups, women, and youth. In the twenties, there was Prohibition and women's suffrage, the WASP-Gothic split, and the Klu Klux Klan."

"Yet in 1932, the Democratic Party pulled itself together and with Roosevelt made America a Democratic country. I predict they'll do it again. The life and vitality needed to resolve the many cultural, intellectual, and social problems bothering the country aren't present in the Republican party."

"Just as they did in the twenties, the Republicans are currently passing up the chance to effect a lasting coalition by not speaking adequately to the grass roots traumas and interests of the American electorate."

Dr. Murray, who is the author of two other books, "Red Scare" and "The Politics of Normalcy," came to Penn State in 1949. During his tenure here, in addition to teaching and writing, he served for ten years as head of the history department. Currently, he is one of the national advisers on television programming for the Bicentennial celebration and a member of the National Archives Advisory Committee.

"One of the Archives Committee's chief responsibilities," he explains, "is to de-

TWO CULTURES DIALOGUE

Dean N. J. Palladino, Engineering, and Dr. Peter Bennett, professor of marketing, will introduce the subject of "Value Considerations in Engineering and Technology Marketing Education" for the Two Cultures Dialogue session tomorrow (April 26) at noon, Room 189 Materials Research Laboratory. Many of those participating in these Dialogues take their own lunch; beverage is provided.

HAZLETON FESTIVAL

The 15th annual Tri-County Senior High School Oral Interpretation Festival will be held at the Hazleton Campus Friday, April 26, at 7 p.m. in the library. Students from Luzerne, Carbon, Columbia and Northumberland counties compete in this annual event, which is sponsored by the Berks Lettner Literary and Cultural Society. For tickets, call Prof. Andrew Katka, faculty advisor, (717) 454-8731.

BERKS THEATRE

Six musical productions and six children's shows will be given this summer by the Berks Summer Theatre Program at the Berks Campus. William Angstadt, Penn State graduate in theatre arts, is director, and he has assembled a company of 20 actors, singers and dancers, following auditions last month in Reading and New York City. Other performers will be obtained from among local talent, including apprentices who will receive classes in stagecraft from the staff.

termining what historians should save for the future from among the billions of documents the Government issues each year. The papers of the Veterans Administration, for example, for a single year occupy an entire warehouse, and people are afraid to throw anything out. Multiply this by all our Government bureaus on the federal, state and local levels, and the mass of material is absolutely staggering."

Preoccupied as he is with scholarly pursuits, there is another side to Dr. Murray, and one which he finds almost as stimulating. About eight years ago—on a stage where men either find exciting new hobbies or start running around with other men's wives"—he took up blue water sailing and is the owner of a Pearson Coaster based in the Virgin Islands.

"A sailboat at the mercy of the elements is the last frontier where an individual has full control or non-control over the quality and permanency of his existence," Dr. Murray says.

"Sailing is a totally invigorating, adventure, a sort of challenge. A storm at sea is probably one of the most soul searching circumstances you can undergo. You don't win at sea; you merely survive, and the experience makes you increasingly grateful. It's an important lesson for life."

The Murrays (wife Evelyn, a son, William and two daughters, Vicki and Corrie) also participate in ocean racing, probably one of the most grueling and night competitive of all sports. Dr. Murray finds that sailing refreshes him for history.

"I don't think of history as a science or a social science," he says. "We have no jargon, no linguistic politics. We use the plain old English language. I feel as a historian that I'm essentially involved in an art form, that history is one of the last remaining great disciplines. McKay philosophy in that it still asks 'what are the reasons so many other disciplines only ask how.'"

"History isn't a popular subject any more. People say it's not relevant. Economically relevant; it tells you the process by which the price of oil is going up. But history tells you some of the reasons you are getting the oil in the first place. That the prior relevancy it seems to me."

Staff vacancies

University faculty or staff members who are interested in any of the staff exempt or staff non-exempt jobs listed below may apply by calling Employment Division, 865-1327 (Network Line 476-1327). Do not contact the area having the vacancy. Applications will be accepted until: 5 p.m., May 2, 1974.

ASSISTANT TO THE DEAN OF STUDENT AFFAIRS, RESIDENT COMMUNITY COORDINATOR — Behrend College

Responsible to maintain and develop a positive living-learning environment and coordinate programs in residence hall community. Supervises resident hall staff, addresses residence hall governing committees. Master's degree or equivalent in Student Personnel, Counselor Education or equivalent with one

to two years effective experience preferably in residence hall administration.

ENGINEERING AIDE, APPLIED RESEARCH LABORATORY — University Park

Responsible for performing required signal systems processing and system checks and calibrations. Associate degree in electronics or equivalent plus two to three years experience in signal processing and related areas.

RESEARCH AIDE (DAIRY SCIENCE), AGRICULTURE — University Park

Responsible for the performance of a variety of research duties. Two to three years college or equivalent with background in biology or animal science plus two to three years experience in biochemical and tissue culture techniques.

ASSISTANT DEAN OF STUDENT AFFAIRS — Behrend College

Responsible for the organization, administration and coordination of Student Affairs programs and services. Master's degree in Student Personnel, Counselor Education or equivalent with two to three years effective experience.

PENN STATE intercom

Volume 3, Number 33

May 2, 1974

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

Pittsburgh Symphony here for week

Auditorium to open May 8

The week-long visit of the Pittsburgh Symphony Orchestra, not only to give three performances on the Artists Series May 8, 10 and 11 but also to offer its talents in

During the visit next week of the Pittsburgh Symphony Orchestra, the Chamber Orchestra, 40 members, directed by Donald Johanos, associate conductor of the Symphony, will give a free public concert Thursday, May 9, in the Music Bldg. recital hall.

Free tickets for this event will be distributed in Room 232 Music Building, beginning Monday, May 6, at 8:30 a.m.

The program will include Saint Saens' "Concerto No. 1 for Cello and Orchestra, Op. 33," in which first cellist Michael Grebanier will be featured soloist. Other compositions to be played are Haydn's "Symphony No. 99 in E-flat Major," Ravel's "Le Tombeau de Couperin" suite, and 12 concert variations by Gilester.

a variety of ways, has been made possible by grants from a number of sources.

The National Endowment for the Arts, the Pennsylvania Council on the Arts, the A. W. Mellon Educational and Charitable Trust, and the Penn State Foundation have all provided assistance for the unusual event, which coincides with the opening of the University's new 2600-seat auditorium.

Dr. William Steinberg will conduct the



Betty Allen, mezzo soprano soloist on Artists Series

Orchestra in the Artists Series program, when the University Chorus, directed by Raymond Brown, professor of music, will join in the performance of Beethoven's Ninth Symphony. The Orchestra will also play the Berlioz overture to the opera, "Benvenuto Cellini."

The Symphony will also participate in a rehearsal with the Penn State Symphony Orchestra, in which student compositions with student soloists will be performed. Informal sessions involving individual orchestra members and students will be held also.

And, as noted in the accompanying short article, the Chamber Orchestra will give a free public concert Thursday, May 9.

Medical pioneer on stress

Hans Selye gives two talks

Professor Hans Selye, director of the Institute of Experimental Medicine and Surgery in Montreal, Canada, and considered one of the pioneers of medicine, will give two lectures this weekend, sponsored by the Gerontology Center and the Graduate School Lecture Series.

The first lecture, at 8:15 p.m. Friday, May 3, will be concerned with "Stress without Distress." The second, at 10 a.m., Saturday, May 4, will be on "Stress and Aging." Both lectures are in Room 108 Forum.

In 1936, Dr. Selye's revolutionary concept of stress was announced, opening many new avenues of treatment through

the discovery that hormones participate in the development of many nonendocrine degenerative diseases, such as coronary thrombosis, brain hemorrhage, hardening of the arteries, certain types of high blood pressure and kidney failures, arthritis, peptic ulcers and even cancer.

Honored in many ways and on many occasions, Dr. Selye holds sixteen honorary degrees from universities around the world. He is a Fellow of the Royal Society of Canada and an Honorary Fellow of 42 other scientific societies. He has received the Casgrain and Charbonneau Prizes for original work in the prevention and treatment of disease.

Alumni nominees named for Board

Ten alumni have been named as candidates for the three positions on the University's Board of Trustees which are to be filled by election by alumni. The ten, three of whom are currently trustees, are:

Frederick R. Close II, retired chairman of the Board of Directors of the Aluminum Company of America (Incumbent).

Ralph D. Hetzel, Jr., dean of the College of Fine and Professional Arts and professor of art, Kent State University (Incumbent).

H. Ridge Riley, retired executive secretary of the Penn State Alumni Association (Incumbent).

A. Robert Brooks, senior partner of Brooks and Redfoot, Sharon (Pa.) architectural firm.

Walter J. Conti, owner and operator of Conti's Cross Keys Inn, Doylestown.

Henry A. Giuliana, partner in the law firm of Falvello, Ustonski, Giuliana and Bernstein, Hazleton.

Richard S. Grossman, president of Material Distributors, Inc., Philadelphia.

J. Robert Hicks, vice-president and comptroller, Goodyear Tire and Rubber Co.

H. Clifton McWilliams, Jr., Cambria County judge.

Stanley G. Schaffer, president, Duquesne Light Co.

Health council seeks questions

The Centre Area Health Council, through its Consumer Concerns Committee, is seeking to answer the health-care related concerns of all area residents and students.

Not only does the Committee wish to learn of specific problems encountered in health care, but it is also looking for constructive suggestions for area health care systems. The Committee refers these problems and suggestions to agencies which can do something concrete with them.

The Council, which includes local citizens and physicians, dentists, and other medical practitioners on its board, expects through this consumer-oriented program to improve the delivery of health care service in the area.

Concerns and suggestions should be addressed in writing to Mrs. Mary Maniulli, chairman, P.O. Box 702, State College, Pa. 16801.

Information asked on publications

Those who wish their publications and professional activities listed in the University's annual bibliographies should send this information to their department heads and deans.

Detailed instructions for the submission of these listings are given in a May 1 memo from Dr. R. G. Cunningham, Vice President for Research and Graduate Studies. Copies of this memo are available from your department head or research dean.

Commonwealth Campus faculty should send their listings to their respective department head at University Park with an informational copy to their campus director and Commonwealth Campus dean. Contributions should be in the department head's hands in sufficient time to reach the vice president by July 31.

The bibliography will be split into two publications, "Research Publications and Professional Activities" and "University Publications & Reports to Agencies." To be included are research papers and articles, books reviewed and printed by established publishers, substantive and/or final reports sent to state and federal agencies, informational materials (articles and reports printed in non-standard journals), and novels, short stories, musical compositions, exhibits of fine arts, inventions, patents, and any other activity that meets recognized standards of excellence in its field.

For complete information, faculty members should see the May 1 memo.

Grad faculty meets

A discussion of a proposed amendment to the "Articles of Authority and Standing Rules of the Graduate Council," in addition to the annual report of the Graduate School Dean, will highlight the annual Graduate Faculty meeting Tuesday, May 21, at 3 p.m. in Room 112 Kern.

The proposed changes in the "Articles" were recommended by a Graduate Council Committee on Committees and Procedures, and at the April 3 meeting of the Council the recommendations were approved. These changes are in the area of the election of Council members.

It is proposed under the amendment that approximately half of the Council membership be elected each year for a two-year term. Currently, all Council members are elected at two-year intervals.

Alternate commencement plans made

An alternate "rain" plan for June commencement at University Park has been devised with the new University Auditorium as part of the plan.

Commencement will be held Saturday, June 1, at 10:30 a.m. at Beaver Stadium, but if rain forces the ceremony indoors, the Auditorium, Rec Hall, and Schwab Auditorium will be pressed into service in simultaneous ceremonies both in the morning and afternoon.

The use of the facilities will permit accommodation of all graduates' families and friends; in the past, limitations were placed on the number of guests if the ceremony had to be held indoors.

The plan also involves a change in diploma distribution methods, explains Dr. Barnes W. McCormick, University Marshal. In case of rain during the outdoor ceremony, in such case, the option of distributing diplomas under the stands will be available, tables having been set up beforehand for the purpose.

Conference on women's horizons

Returning Women Students of Penn State is sponsoring an all-day conference, on the theme "Widening Women's Horizons," Saturday, May 11, in the Kern Graduate Bldg. The conference is directed toward women of Pennsylvania, who have been out of the classroom for many years and want to start, or continue, a college career. The sponsor is an organization of women at Penn State who have begun or con-

tinued a college career after a lapse in formal education.

Among the speakers will be Dr. Beverly Cassara, acting dean of the Graduate School at Federal City College, Washington, D.C.; Caryl M. Kline, director of continuing education for women at the University of Pittsburgh; and Mary Iverson, director of the Women's Center for Continuing Education at Syracuse University.

DEATH

James B. Chubbuck, assistant professor of chemistry at the Altona Campus, died April 15; he was 58. A member of the faculty since 1960, he was graduated with distinction from the U.S. Military Academy in 1938, with a B.S. in civil engineering. He served as a junior officer in various capacities in this country until 1942 when he was sent to the European Theatre, as executive officer and battalion commander, remaining there until 1945. Still in military service, he obtained an M.S. degree in chemistry at the University of California, Berkeley in 1948, then held various posts, as lieutenant colonel, at Fort Belvoir, Washington, D.C., and in France, where he served as liaison with French military personnel and as civil engineer in 1956-59. In the year before joining the Altona faculty, he was chief of the combined arms branch at Fort Belvoir.

HONORS

A Resident Fellowship at the Folger Shakespeare Library, Washington, D.C., has been awarded for the Fall Term to **Dr. Michael Kiernan**, assistant professor of English. Dr. Kiernan is preparing a critical edition of the "Essays" of Francis Bacon, and he will collate 17th-century printed copies of the essays from the Folger's extensive collection of Bacon material, and will also prepare critical notes and commentary for the edition.

News in brief

DUSTIN HOFFMAN HERE

Screen actor Dustin Hoffman, who has starred in such movies as "The Graduate" and the current "Papillon" will appear in Rec Hall Tuesday, May 7, at 8 p.m., sponsored by COLLOQUY. A donation of 50 cents will be asked for the benefit of the Renaissance Fund, which is also the beneficiary of Spring Week activities.

KUJUNDZIC ON PANEL

Zeljko Kujundzic, recognized internationally as an authority on a unique method of constructing ceramique sculpture, was a member of a four-man panel for the Eighth National/International Sculpture Conference at the National Sculpture Center, University of Kansas, April 24-26. The panel also included artists from Belgium, India, and Mexico. He made a slide-illustrated presentation, "Sculpture without Armature — From Prehistoric Times to the Present," and at the special request of the Kansas Center presented one of his own pieces, "Adolescents," a slab-built ceramique sculpture. Kujundzic is assistant professor of art at Fayette Campus.

COLLOQUY SPEAKERS

Two recent speakers brought to the University Park campus by Colloquy have complimented the academic community, one directly, the other indirectly. Dick Cavett, the television show host, who packed Rec Hall, was making only his second college campus lecture in coming here; he chose Penn State over 200 other colleges and universities, it is said. Victor Gold, the syndicated columnist of conservative bent, who spoke here March 19, devoted considerable space in a column

The Library's Shakespeare holdings will be utilized to bring to completion an annotated, classified bibliography of recent scholarship for the forthcoming Modern Language Association re-issue of the Variorum Edition of Shakespeare's "Henry IV, Part One."

Elmer C. Plier, who retired in 1969 as associate professor of Agronomy extension, received the Meritt Certificate Award of the American Forage and Grassland Council at the Council's 75th Research-Industry Conference held recently in Bossier City, Louisiana. He served as executive secretary of the organization from December 1970 until March 1974.

IN WRITING

"A Random Walk in Science," compiled by **Dr. Robert L. Weber**, associate professor of physics, and edited by Prof. Eric Mendoza, Hebrew University, Jerusalem, has been published by Crane Russak and Co., New York, and The Institute of Physics, London and Bristol.

Described as a "fun book of science," the volume has selection titles such as "When does jam become marmalade?" and "A contribution to the mathematical theory of big game hunting." The 133 selections "provide an insight into the wit and intellect of the scientific mind through a balanced blend of amusing and serious contributions written by and about scientists. Included are anecdotes about noted scientists, items of historical interest, and

shortly thereafter pointing out that while his views brought spirited exchange in the question-answer period, the "open-minded inquiry and base civility — are very much in evidence here this night. A visit to a campus like Penn State is a 'happy' note for anyone looking for something to be optimistic about regarding American higher education."

BOOKSTORE SALE

This week the University Park Bookstore has been holding its First Anniversary Sale in the McAllister Bldg. basement. Two thousand paperbacks and a large selection of recent hardbacks have been on sale at half price. The sale is scheduled to end tomorrow, if it hasn't already run out of sale items. The HUD supply department has also been conducting a sale of novelty items.

SINGERS PRAISED

The University Choirs, which performed Beethoven's Ninth Symphony with the Harrisburg Symphony Orchestra last week, were praised by the orchestra's conductor, Dr. Edwin McArthur, who retired from the post after 23 years as music director and conductor. Dr. McArthur expressed his gratitude to the Choirs for their contribution and praised them as "one of the finest, if not the finest, choirs I have ever conducted." Raymond Brown is director of the Choirs.

NEW HONORARY

Sigma Theta Tau, national honor society in nursing, has been granted a charter to establish a chapter at Penn State. Initiation ceremonies will be held for the first time in May. The organization seeks to recognize achievement of superior scholarship; recognize development of leadership qualities; foster high professional stand-

articles showing the bizarre ways that scientific theories are sometimes hatched.

The Physics Bulletin says that it is "... a sparkling monument to the ingenuity and unquenchable cheerfulness of the scientific spirit."

Dr. Jon N. Weber, associate professor of geology, is editor of "Geochemistry of Germanium," which is Volume 11 in a series published by Dowden, Hutchinson and Ross, Inc. The series is titled "Benchmark Papers in Geology." The 464-page work, with 43 papers, is the first book ever to deal exclusively with the element germanium. Included is a detailed examination of the distribution of germanium in the Earth's crust, in meteorites, and in lunar surface materials, emphasizing the geochemical behavior of germanium in such processes as magmatism, sedimentation, and hydrothermal mineralization.

APPOINTMENTS

Dr. James A. Whiteside, as associate professor of physical education and athletic team physician, effective July 1. He has been a team physician for all sports at Coral Gables High School since 1957. He received a B.S. degree in pre-med from Auburn University in 1948, an M.S. in physiology from the University of Wisconsin in 1949, and an M.D. degree from the University of Alabama in 1953. He interned at the U.S. Naval Hospital in Philadelphia.

ards; encourage and support research and other creative work in nursing; and strengthen individual commitment to the ideals and purposes of the nursing profession.

BUSINESS FELLOWSHIP

James W. Harvey, doctoral candidate in Business Administration, has been awarded the \$6,000 cash grant Beta Gamma Sigma Doctoral Fellowship, a program established in 1967 by the honorary society to enable doctoral candidates to devote full time toward completion of their dissertations. The grant was made on the basis of timeliness and potential value of the research by the candidate; Harvey's dissertation proposal is titled "The Process of Legislation." Dr. H. Lee Mathews, professor of marketing, is chairman of the research committee.

BERKS ADVISORY BOARD

Four new Advisory Board members have been elected at the Berks campus. They are **Thomas P. Handwerk**, a certified public accountant and Wyomissing Borough councilman; **John K. Kooker, Jr.**, owner of a 300-acre dairy farm and president of the Berks County Dairy Farmers Association; **Ernest W. Schleicher**, vice president of the Reading Chamber of Commerce; and **Joanne K. Stevenson**, associate director of the Reading-Berks Human Relations Council.

McFARLAND AWARD

The 25th annual David Ford McFarland Award of the local chapter of the American Society of Metals will be presented May 11 to Dr. Howard Bomberger, 1942 graduate in metallurgy, who won international recognition for his work in titanium technology. The chapter's banquet will be held at the Centre Hills Country Club. The award, which memorializes the man who

... **Research Project Grants — Basic, Clinical, and Applied Research** — contact Dr. Luis Angeles, Asst. Chief for Research, Research Resources Branch, Oliv. of Research Resources, 5303 Westland Ave., Bethesda, Md. 20014 (301) 496-7447.

... **Projects to Support Animal Resources and Research Manpower Development Program** — contact Dr. Charles McPherson, Chief, Oliv. of Research Resources, Room 5831, Bldg. #31, 9000 Rockville Pike, Bethesda, Md. 20014 (301) 496-5451.

(127-3) June 1 and Oct. 1, 1974 are the next two deadlines for **National Institute of Occupational Safety and Health**, Oliv. of Research and Demonstration. Research project objectives are: Control of work environment to eliminate factors harmful to the worker's health. Direct and indirect costs are funded. Projects have ranged in size from \$5,000 to \$100,000 and have averaged \$35,000. Demonstration project objectives are: Develop and pilot full scale activities showing technical and economic feasibility of new or improved OSH procedures, methods, techniques, or systems. Project objectives may also include examinations of present OSH conditions in health systems, or industry. These examinations are to lead to a demonstration project. Grants have averaged \$140,000 but some small grants have been awarded. For additional information about both programs contact: Dr. B. H. Bruckner, Deputy Director, Office of Extramural Activities, NIOSH, Center for Disease Control, Room 3-44, 5600 Fishers Lane, Rockville, Md. 20852 (301) 443-4493.

(127-4) The National Institutes of Health (NIH) Office of Biotechnology Resources provides assistance to develop and sustain established technological capabilities such as computer resources, biological material preparation sources vital to biomedical research and patient care. Research and training are not funded by this program. Resources are usually on a case-by-case serving multidisciplinary, multicampus research programs. The establishment and maintenance of a research resource, including equipment and building expenses is funded. Grants amounts have had a broad range and have averaged \$280,000. The next two deadlines are June 1 and Oct. 1, 1974. For information contact: William F. Haug, Chief, Biotechnology Resources Branch, Oliv. of Research Resources, Bldg. #31, Room 5819, 9000 Rockville Pike, Bethesda, Md. 20014 (301) 496-5451.

(127-5) Instructional Equipment Grants to institutions of higher education to improve graduate instruction will be available through the Office of Education through the state centers. Deadline dates will be specified in the state centers and are expected to be between Oct. 15 and 15 for the fiscal year. Criteria for standards of selection have been established in the Federal Register and are available (Ref. 39FR12620, 74) (CFDA 13.518).

Psychology has annual Spring Symposium May 10

The annual Spring Symposium in Clinical Psychology, Friday, May 10, at University Park, will feature three talks, on homosexuality, aggression, and psychotherapy in the general theme of "Cross-Cultural Perspectives," beginning at 9:30 a.m. in Room 112 Kern.

The Department of Psychology is sponsoring the symposium which is free and requires no registration. The three speakers, in morning and afternoon sessions, will discuss the results of their research, and the implications of cross-cultural research for clinical psychologists' theories and practices. The speakers are:

Dr. Todd Fady, University of Western Ontario, speaking on "Homosexuality: Universal or Culture-Specific," at 9:30 a.m. Dr. Fady has studied patterns of homosexual prostitution and of sexual role transitions in The Philippines, Latin America, and the U.S.

Dr. Napoleon Chagnon, Penn State (anthropology), on "The Social Organization of Aggression in Primitive Societies." He has studied the Yanomamo, pre-literate Indian group in Brazil.

Dr. Raymond H. Prince, McGill University, on "Psychotherapies in Cross-Cultural Perspective." His studies have been of the treatment of mental illness among the people of West Africa.

served as professor and head of the department of metallurgy from 1920 to 1951, is given to an alumnus for achievements in the metals profession. Dr. Bomberger, now director of research and development with RMI Company, Niles, Ohio, has over the past quarter century been granted 39 U.S. and 35 foreign patents and has published more than 40 papers in his research with titanium and its alloys.

DOCTORAL CANDIDATE AWARD

Ronald P. Cleveland, doctoral candidate in microbiology, is the recipient of a grant from the American Association for Microbiology which he will use to study for a week in New York with Dr. Richard Steves, developer of a new method for analysis of leukemia virus. He hopes to eventually apply the techniques in research with Dr. Walter Geglowski, associate professor of microbiology. They are currently studying the action of certain leukemia viruses in suppressing the body's natural defenses against disease.

TENNIS COURTS READY

Four tennis courts in a new building near the Ice Rink Pavilion are ready and reservations may be made for use of the courts on an hourly basis from 8 a.m. to 10 p.m. by calling 865-1381. The new building has two locker rooms and shower rooms, an observation deck, office and a tennis shop. The courts are of synthetic material.

ALTMAN ETCHINGS ON SALE

New etchings and lithographs by Hans Altmann are among items for sale at the Museum Store in the Museum of Art and History on the Arts and Humanities Campus. In 1915, did the artist in the Museum of Art in Paris. Several award-winning works are included among the 32 prints for sale.

for Disease Control, Room 3-44, 5600 Fishers Lane, Rockville, Md. 20852 (301) 443-4493.

(127-4) The National Institutes of Health (NIH) Office of Biotechnology Resources provides assistance to develop and sustain established technological capabilities such as computer resources, biological material preparation sources vital to biomedical research and patient care. Research and training are not funded by this program. Resources are usually on a case-by-case serving multidisciplinary, multicampus research programs. The establishment and maintenance of a research resource, including equipment and building expenses is funded. Grants amounts have had a broad range and have averaged \$280,000. The next two deadlines are June 1 and Oct. 1, 1974. For information contact: William F. Haug, Chief, Biotechnology Resources Branch, Oliv. of Research Resources, Bldg. #31, Room 5819, 9000 Rockville Pike, Bethesda, Md. 20014 (301) 496-5451.

(127-5) Instructional Equipment Grants to institutions of higher education to improve graduate instruction will be available through the Office of Education through the state centers. Deadline dates will be specified in the state centers and are expected to be between Oct. 15 and 15 for the fiscal year. Criteria for standards of selection have been established in the Federal Register and are available (Ref. 39FR12620, 74) (CFDA 13.518).

Funding Opportunities

Instruction—Research—Continuing Education—Fellowships

For more information and funding source information, call 865-1372.

May 2, 1974

(127-1) The National Institutes of Mental Health (NIMH) has several programs for which the next two deadline dates are June 1 and Oct. 1, 1974.

... **Mental Health of Children and Families/Research Grants** — contact Dr. Edwin F. Minkov, Chief, Center for Studies of Child and Family Mental Health, Parklawn Bldg., Room 1224, 5600 Fishers Lane, Rockville, Md. 20852 (301) 443-3556.

... **Mental Health Epidemiology/Programs** — contact Shirley Reider, Executive Director, Center for Epidemiology Studies, Oliv. of Extramural Research Programs, Room 10203, Parklawn Bldg., 5600 Fishers Lane, Rockville, Md. 20852 (301) 443-3744.

... **Mental Health Program/Project Grants and Research Grants** — contact Bruce Ringler, Acting Chief, Grants and Contracts Management Branch, NIMH Room 702, Parklawn Bldg., 5600 Fishers Lane, Rockville, Md. 20852 (301) 443-3065.

... **Metropolitan Mental Health Problems** — contact Dr. Elliott Liebow, Chief, Center for Studies

of Metropolitan Problems, Oliv. of Special Mental Health Programs, NIMH, Room 12C16, Parklawn Bldg., 5600 Fishers Lane, Rockville, Md. 20852 (301) 443-3373.

... **Minority Group Mental Health Program** — contact Dr. James Ralph, Chief, Center for Minority Mental Health Programs, NIMH, Room 12-101, Parklawn Bldg., 5600 Fishers Lane, Rockville, Md. 20852 (301) 443-3724.

... **Studies of Crime and Delinquency** (research and training) — contact Dr. Salem A. Elia, Chief, Center for Studies of Crime and Delinquency, Oliv. of Special Mental Health Programs, NIMH, Room 12C24, Parklawn Bldg., 5600 Fishers Lane, Rockville, Md. 20852 (301) 443-3724.

... **Mental Health of the Aging** — contact Dr. Thomas Anderson, Chief, Section on Mental Health of the Aging, Oliv. of Mental Health Programs, Room 1295, 5600 Fishers Lane, Rockville, Md. 20852 (301) 443-3726.

(127-2) The National Institutes of Health (NIH) has two groups of programs for which the next two deadline dates are June 1 and Oct. 1, 1974.

University Park Calendar

May 2-12, 1974

Special Events

Thursday-Friday, May 2-3 — Peace Corps/Vista recruiting, 8 a.m. to 5 p.m., lobbies of Boucke and Chambers Bldgs. Seniors and graduate students, all majors.

Thursday, May 2 — University Theatre, student preview, "The House of Bernarda Alba," 8 p.m., Pavilion Theatre.

Friday-Saturday, May 2-4 — Annual Dance Concert of Orchestra Dance Club, "Opus 1974," 8:30 p.m.; matinee performance Saturday, May 4 at 2:30 p.m., White Hall Dance Theatre.

Friday, May 3 — Free-U Jammy, 7:30-11:30 p.m., HUB ballroom.

Friday-Saturday, May 3-4 — University Theatre, "The House of Bernarda Alba," 8 p.m., Pavilion Theatre.

Friday, May 3 — Sports: Men's lacrosse, vs. Lehigh, 8 p.m.

Friday, May 3 — 3rd Annual Technical Paper Conference, Soil Conservation Society of America, 10 a.m.-3 p.m., HUB assembly room.

Friday, May 3 — Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

Friday-Saturday, May 3-4 — Spring Week Carnival, "Movie Mania," Intramural field games near Beaver Stadium, Friday, 7 p.m. to 9 p.m.; Saturday, 7 a.m. to midnight. Saturday afternoon activities for children, puppet show and amusement rides. Benefit of Renaissance Fund.

Friday, May 3 — Initiation and banquet, the Honor Society of Phi Kappa Phi, 5:30 p.m., HUB ballroom.

Friday, May 3 — Address by Secretary of the Air Force John L. McLucas to AFRO TC Dining-Hall, 6:30 p.m., State College Elk's Country Club.

Saturday, May 4 — Keystone Drill Meet, 8 a.m.-5 p.m., Ice Pavilion.

Saturday, May 4 — Sports: Rugby, vs. Barbarians; men's tennis, vs. Michigan (previously scheduled May 11), Beaver Stadium.

Saturday, May 4 — U.S.G. Spring Week Dance Concert, 8 p.m., Rec Hall. Group performing: Law. Limited number of tickets on sale at HUB desk.

Sunday, May 5 — German Club play, 8 p.m., Room 112 Kern.

Sunday, May 5 — Chapel Service, 11 a.m., Eisenhower Chapel. Rabbi Theodore H. Gordon, Main Line Reform Temple, Beth Elsholm, Wynnwood, Pa.

Sunday, May 5 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

Monday, May 6 — Gamma Phi Epsilon, women's pre-med society, 8 p.m., McElwain piano lounge. Marjorie E. Ward, special education, on "The Visually Handicapped and Recent Medical Research."

Monday, May 6 — Sports: Men's tennis, vs. Lehigh, 3:30 p.m.

Tuesday-Saturday, May 6-11 — University Theatre, "The House of Bernarda Alba," 8 p.m., Pavilion Theatre.

Tuesday-Wednesday, May 7-8 — Second Annual Health Fair, 11 a.m. to 7 p.m., HUB ballroom. Exhibits, demonstrations, health assessment services.

Thursday, May 7 — Talk by George Hemp, West and polo polo with film, "Polo," 7:30 p.m., Room 162 Willard, sponsored by PSOC Equestrian Division.

Wednesday, May 8 — Student Cross-Cultural Dialogue, 3 p.m., Room 115 Kern. Dr. Eugene White, Materials Research

Lab, Dr. R. Richard Ritt, Center for the Study of Human Development, and Dr. Joseph S. Schuchman, chairman, College of the Liberal Arts Research Committee, on "Research Funding, Grantsmanship or Who Gets the Money and Why."

Wednesday, May 8 — Sports: Men's lacrosse, vs. Cortland, 7 p.m.

Wednesday, May 8 — Nontime concert, 12:15 p.m., lobby of Kern.

Wednesday, May 8 — Health Education Symposium dealing with contemporary trends in human sexuality, 6:30-8:30 p.m., HUB assembly room.

Wednesday, May 8 — Student-faculty rap session on "The Management Major of P.S.U." Sigma Chi Fraternity, 8 p.m., sponsored by Management Club.

Wednesday-Saturday, May 8-11 — Penn State Thespians, "Fiddler on the Roof," 8:30 p.m., Schwab. Saturday matinee, 2 p.m.

Wednesday, May 8 — Artists Series, Pittsburgh Symphony and University Choirs with vocal soloists, 8:30 p.m., University Auditorium.

Thursday, May 9 — ROTC Awards Day, 4 p.m., Ice Pavilion.

Thursday, May 9 — Graduate School sponsored Artists Workshop, 7:30 p.m., Room 101 Kern.

Thursday, May 9 — Pittsburgh Symphony Chamber Orchestra, 8:30 p.m., Music Bldg. recital hall. Tickets free, distributed beginning May 8, Room 232 Music Bldg.

Thursday-Sunday, May 9-12 — Community Awareness, East Halls Student Association and Redave Productions, "The Only Game in Town," 8:30 p.m., FUB lounge, East Halls.

Friday, May 10 — Free-U Jammy, 7:30-11:30 p.m., HUB ballroom.

Friday, May 10 — Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

Friday-Saturday, May 10-11 — Artists Series, Pittsburgh Symphony and University Choirs with guest soloists, 8:30 p.m., University Auditorium.

Friday-Saturday, May 10-11 — Women's Liberation films, 8-11 p.m., Room 111 Forum. Friday, "The Women's Happy-time Commune." Saturday, "Gertrude Stein: When You See This, Remember Me."

Friday, May 10 — Annual Spring Symposium in Clinical Psychology, Room 112 Kern, beginning at 9:30 a.m. on theme, "Cross-Cultural Perspectives," with speakers Dr. Todd Fay, University of Western Ontario; Dr. Napoleon Chagnon, Penn State; and Dr. Raymond H. Prince, McGill University. No registration, no fee required.

Saturday, May 11 — Model Railroad Club with vocal soloists, 8:30 p.m., Room 203 HUB.

Saturday, May 11 — Football, Blue-White game, 1:30 p.m. Women's lacrosse, vs. Wilson, 1 p.m.

Sunday, May 12 — Penn State Glee Club Mother's Day Concert, 3 p.m., Schwab.

Sunday, May 12 — Sports: Men's baseball, vs. Colgate, 2 p.m.

Sunday, May 12 — Chapel Service, 11 a.m., Music Bldg. recital hall. A Service of Music and Homily, the University of Western Ontario.

Sunday, May 12 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

Seminars

Thursday, May 2 — Chemistry, 12:45 p.m., Room 310 Whitmore. Robert Merrill, University of California, Berkeley, on "Interaction of H₂ and O₂ with Platinum Single Crystals."

Thursday, May 2 — Agronomy, 3:30 p.m., Room 111 Tyson. M. Grove on "Some Competitive Effects of Weeds on Yield. Percent Leaf Nitrogen and Physiological Age of Corn."

Thursday, May 2 — Physics, 3:35 p.m., Room 117 Osmond. J. R. Klauder, Bell Telephone Laboratories, Murray Hill, N.J., on "Recent Developments in Field Theory."

Thursday, May 2 — Meteorology, 3:55 p.m., Room 26 Mineral Sciences. Albert Weiss, Cornell University, on "Airflow Above and Between Rows of a Vineyard."

Thursday, May 2 — Urban Transportation and Air Pollution Control, 2:20 p.m., Room 112 Kern. George Smerk, transportation, Indiana University Graduate School of Business, on "Can Transit Provide a Viable Alternative to the Automobile?"

Thursday, May 2 — AIAA, Central Pennsylvania Section, 4 p.m., Room 232 Hammond Bldg. Dr. R. E. A. Arndt, aerospace engineering, on "Aerodynamic Noise Research: Past Accomplishments and Future Work."

Thursday, May 2 — Mechanical Engineering, 4 p.m., Room 103 Mechanical Engineering Bldg. Dr. Thomas Patten, head of Mechanical Engineering and Director of the Institute of Offshore Engineering, Heriot-Watt University, Edinburgh, on "The Impact of the North Sea Gas and Oil Field on Engineering Education and Research in Scotland."

Friday, May 3 — Analytical Chemistry, 11:10 a.m., Room 333 Whitmore. A. L. Yergey, Scientific Research Instruments Corp., on "Chemical Ionization Mass Spectrometry."

Monday, May 6 — New Communities, 2 p.m., Room 322 Science. Suzanne Salomon, Community Development Consultant, Washington, D.C., on "Planning of Social Services in the New Communities."

Monday, May 6 — Plant Pathology, 9:45 a.m., Room 213 Buckout. Leon Burpee on "Mycorrhizae: Biological Determinants of Pathogenesis."

Monday, May 6 — Entomology, 3:50 p.m., Room 204 Patterson. Stephen Kincaid on "Pheromone Experimentation with a Mushroom Infesting Scliarid Fly, 'Lycorella mact.' and P. C. Sotiropoulos on "Relations between Formulations of Systemic Pesticides and Their Concentration within the Plant."

Monday, May 6 — Inter-Science, 4 p.m., Room 310 Whitmore. Dr. Joseph E. Cole-

man, biochemistry, Yale University, on "EPR Studies of Enzyme Systems."

Monday, May 6 — Genetics, 3:55 p.m., Room 111 Tyson. Joan M. Oriolski, pharmacology, on "Enzymatic Differentiation and Gene Expression."

Monday, May 6 — Computation Center, 7:30 p.m. SPSS, 10 p.m. 110 Osmond.

Tuesday, May 7 — Ecology, 1 p.m., Room 111 Life Sciences I. Dr. D. Seale on "Effects of Amphibian Larvae on Primary Production and Nutrient Dynamics."

Tuesday, May 7 — Chemical Engineering, 3:45 p.m., Room 140 Fenske. Clay J. Radke on "Thermodynamics of Adsorption and Interparticle Forces."

Tuesday, May 7 — Physics, 3:45 p.m., Room 119 Osmond. Dan I. Bolef, Washington University, on "Interaction of Ultrasound with Nuclei and Electron Spins in Solids."

Tuesday, May 7 — Environmental Pollution Control and Air Pollution Management, 2:20 p.m., Room 140 Fenske. F. Glade Loughry, Pennsylvania Department of Environment Resources, Chief of Soil Section, Division of Community Services, on "Roll of Soils for Hazardous Waste Disposal."

Tuesday, May 7 — Ceramic Science, 11 a.m., Room 301 Mineral Industries. Dr. Val Krukonis, Avco Systems Division, on "High Performance Silicon Carbide and Boron Filament Development."

Wednesday, May 8 — Computation Center, 7:30 p.m., Room 110 Osmond. SPSS.

Wednesday, May 8 — Animal Nutrition and Nutrient Requirements, 3:55 p.m., Room 111 Animal Industries.

Thursday, May 9 — Physics, 3:35 p.m., Room 117 Osmond. Paul A. Flurry, Bell Telephone Laboratories, Murray Hill, N.J., on "Recent Developments in Light Scattering from Simple Molecules."

Thursday, May 9 — Chemistry, 12:45 p.m., Room 310 Whitmore. E. C. Taylor, Princeton University.

Thursday, May 9 — Computer Science, 4 p.m., Room 101 Althouse. John Hopcroft, Cornell University, on "Efficient Design of Algorithms."

Thursday, May 9 — Agronomy, 3:30 p.m., Room 301A Ag. Adm. Bldg. W. D. McIlwain on "Development of Mycorrhizae on Crop Plants."

Thursday, May 9 — Meteorology, 3:55 p.m., Room 26 Mineral Sciences. Dr. R. E. Munn, Chief Scientist, Air Quality and Environmental Research Branch, Atmospheric Environmental Service, Downsview, Ontario, on "International Problems of the Environment."

Thursday, May 9 — Urban Transportation and Air Pollution Control, 2:20 p.m., Room 112 Kern. Robert Suvarman, environmental lawyer, Dechert, Price and Rhoads, Philadelphia, on "The Role of Law in Shaping the Urban Environment."

Friday, May 10 — Geoscience, 1 p.m., Room 26 Mineral Sciences. Frank Press, Chairman, Department of Earth and Planetary Sciences, M.I.T., on "Origin and Evolution of the Lithosphere."

Friday, May 10 — Geosciences, 4 p.m., Room 26 Mineral Sciences. Krzysztof Birkenmajer, geology, Polish Academy of Sciences, Krakow.

Friday, May 10 — Analytical Chemistry, 11:10 a.m., Room 333 Whitmore. Albert C. Conner on "Redox Thermochromism of Iron Porphyrins."

Friday, May 10 — Ecology, 4 p.m., Room 101 Kern. Dr. Frederick Smith, Harvard University, on ecosystem modeling and evolutionary implications.

Meetings

Monday, May 6 — College of Health, Physical Education and Recreation faculty meeting, 7 p.m., Room 109 White.

Tuesday, May 7 — University Faculty Senate, 10 a.m., Room 112 Kern.

Mondays — O.T.I.S., 6:30 p.m., Room 203 HUB.

Mondays — U.S.G. Senate, 7:30 p.m., HUB assembly room.

Wednesdays — Academic Assembly, 7:30 p.m., Room 351 Willard.

Thursdays — Hotel Union Board, 7 p.m., Room 206 HUB.

Sundays — U.S.G. Supreme Court, 7:30 p.m., Room 203 HUB.

Films

Monday-Sunday, May 6-12 — Videotape service, "Dr. John" concert program, times and locations to be announced.

Monday, May 6 — Graduate Commons America Film Series by Alistair Cooke, "America: The New Found Land," 12:05 p.m., Room 112 Kern. Also HUB assembly room, 2:15 p.m.

Wednesday, May 8 — Commonsplace Theatre, "Roaring 20's," 8 and 10 p.m., Room 112 Kern.

Friday-Saturday, May 10-11 — "The Chase," 7:30 p.m., Room 105 Forum, sponsored by Delta Sigma Phi.

Official

Monday, May 6 — First day for signing NDSL National Direct Student Loans, SEOG (Supplemental Educational Opportunity Grants), BEOG (Basic Educational Opportunity Program), and University Long Term Loans for Summer Term.

Monday-Saturday, May 6-11 — Preregistration for Fall Term for those not attending Summer Term.

Friday, May 10 — Last day for signing NDSL, SEOG, BEOG, and University Long Term Loans for Spring Term.

Lectures

Thursday, May 2 — Malcolm Wells, architect, ecologist, journalist, and philosopher, on "Gentle Architecture," 7:30 p.m., Room 102 Forum. Sponsored by the Department of Architecture.

Thursday, May 2 — Dr. Pedro Grasses, Venezuelan historian and scholar, on "The Ideology of Latin American Independence: Historical and Contemporary Perspectives," 8 p.m., Room 26 Mineral Sciences. The lecture is sponsored by the Latin American Studies Committee and the University Committee on International Programs.

Thursday, May 2 — Dr. Eulalia Fagan, practicing psychologist in Hollidaysburg and Altoona, on "Transsexuality," 8 p.m., Room 369 Willard, sponsored by Homophiles of Penn State.

Friday, May 3 — Food Science Annual E. A. Day Memorial Lecture, 2:20 p.m., Room 301 Ag. Adm. Bldg. Dr. Morley R. Kars, professor of Physiology and Director, Monell Chemical Senses Center, University of Pennsylvania, on "The Sensation of Taste."

Friday-Saturday, May 3-4 — Graduate Lecture Series With Gerontology Center. Professor Hans Eyley, Director of the Institute of Experimental Medicine and Surgery, Montreal, on "Stress without Distress," 8:15 p.m., Friday; "Stress and Aging," Saturday, 10 a.m. Both talks in 100 Forum.

Tuesday, May 7 — S & H Environmental Economics Lecture Series, 8 p.m., Room 201 Keller. Arthur M. Hughes, director of economic policy, Office of Policy Analysis and Evaluation, Federal Energy Office, on "Planning for Project Independence."

Exhibits

Museum of Art — Selections from the Permanent Collection, Gallery A, until May 5. Manyakun and Other Places: Paintings and Drawings by Francis Speight, opening May 12, Gallery A. Graphics by Swiss Sculptors, Gallery B. Quetzalcoatl, opening May 12, Gallery B. Bill Hanson, Harvard Paintings, until May 5. Zoller Gallery — Annual Juried Student Art Show, opening May 8.

Hammond Gallery — Studies in Visual Communication, opening May 12.

Chambers Gallery — Art Education Undergraduate Exhibition, until May 12. John Wahling, textiles, and Jenny Foch, ceramics, opening May 11.

Kern Gallery — Sculpture by Rod A. Taylor, instructor in art education, continuing until May 11.

Fiddler on the Roof at Schwab

Penn State Thespians, one of the University's "traditions," will stage a hit musical show about traditions, "Fiddler on the Roof," which was a hit on Broadway and in the movies. The show opens May 8, continuing through May 11, with evening

"Hello, Dolly!" and "Man of La Mancha." Other Thespians and dedicated persons working behind the scenes of "Fiddler" include: production-stage manager Nan Cingman, technical director Douglas E. Burns, assistant director Virgil Roberson,



E. "Skip" Brightbill as Perchik, and Mary Lenciel as Hodel, in "Fiddler on the Roof" at Schwab Auditorium May 8-11. Perchik is a revolutionary student engaged to Hodel. She leaves her village to be with him where he is imprisoned.

performances at 8:30 p.m. each day and a Saturday matinee at 2 p.m., in Schwab Auditorium.

Based on one of Sholem Aleichem's stories, "Fiddler" is set in the small Russian village of Anatevka on the eve of the Russian revolution, in 1905. What happens to families and to the village when the strong Jewish traditions in Anatevka are broken is the basis for the story. The story revolves around the family of Reb Tevye, a dairyman, whose three eldest daughters break away from the tradition that a matchmaker must arrange all marriages. Each daughter upsets the family and the rest of the village by making their own matches; Tzeitel when she marries a poor tailor rather than a rich butcher, Hodel when she leaves for Siberia to marry a revolutionary student imprisoned there, and Shava, especially, when she runs away to wed, of all people, a Russian soldier, like all soldiers, considered to be an enemy of the village.

David Hochoy, graduate student in theatre arts, is director and choreographer. Musical director is Richard Victor, who filled the same role in productions of

Jr., costume designer Kathy Groil, lighting designer Don Melpolder, scenic designer Gerald Hartshorn, master carpenter Arthur O. Soyk, stage carpenter Dennis Cassaday, costumer Linda Murray, and master electrician Betr England. The entire production is under the supervision of Ruth Yeaton, advisor to the Thespians.

Dr. W. O. Luciw, head of Slavic program of the University Libraries, has also been advising and assisting with the production of "Fiddler." Dr. Luciw was born and raised in a culture very similar to the one in Anatevka. He is a native of Galisia in Eastern Europe. He has particularly aided the costume designer and has advised the directorial staff on the conduct of particular rituals, such as the wedding ceremony.

The lead role of Tevye, the dairyman, is portrayed by Merrill Plaskow, graduate student in theatre arts who has many campus theatre roles to his credit and is in a full-length feature film, "Brainchild," to be released this year. Plaskow's parents were Russian Jews who migrated to this country to flee the Czarist revolutionary terror.

Health Fair includes testing

The second annual Health Fair will be held May 7 and 8, 11:00 a.m. to 7:00 p.m., in HUB Ballroom.

The Health Fair will feature booths sponsored by approximately 30 local and state organizations. Representatives from these organizations will be on hand to provide information and literature, to conduct demonstrations and to provide health assessment services such as blood pressure mea-

surement and physical fitness testing.

The Health Fair is sponsored by the University Health Services, the Department of Nursing in the College of Human Development, and the Health Education Program in the College of Health, Physical Education and Recreation.

Admission to the Fair is free, and no fees will be charged for the literature, demonstrations, or health assessment services.

Continuing ed projects win awards

Four awards were presented to the University at the 59th annual conference of the National University Extension Association recently for a variety of programs:

Marlowe D. Froke, director of media and learning resources, Continuing Education, one of four top awards for innovative programs, his being for counseling services for adult students.

Richard M. Bunnell, director of the Continuing Education Conference Center, one of four 1974 Professional Service Awards, recognizing "outstanding individual contributions toward the advancement of the profession of conference and Institute administration."

A College of Arts and Architecture continuing education conference, "The Zoning Game," a Creativity Award. Academic chairman of the conference was William G. King, assistant professor of landscape architecture, with aid from Wayne R. Bechdel, assistant dean in Arts and Architecture for continuing education.

The independent study by correspondence Music 8 course, for the best college credit course offered in correspondence. This was developed by the College of Arts and Architecture, with authors Burt L. Fenner and James D. Benshoof, and the Continuing Education correspondence study department.

HUB specials

Sunday, May 5 — dinner, roast pork w/dr., \$1.99; supper, tuna potato chili casserole \$1.39.

Monday, May 6 — lunch, chili con carne, \$7.79; dinner, spaghetti w/meat sc. \$1.09.

Tuesday, May 7 — lunch, chicken chow mein/rice, \$.95; dinner, lamb pot pie \$1.43.

Wednesday, May 8 — lunch, Welsh rarebit w/rst., \$1.10; dinner, corned beef & cabbage \$1.69.

Thursday, May 9 — lunch, lasagne, \$1.11; dinner, meatloaf \$1.39.

Friday, May 10 — lunch, fish cakes, \$1.22; dinner, French fried chicken \$1.49.

Saturday, May 11 — lunch, beef pattie w/onions, \$.95; dinner, Maryland chicken steak \$1.95.

The Arts: music, plays, exhibits

The 44-voice Penn State Glee Club will feature a variety of composers and vocal forms in its annual Mother's Day concert Sunday, May 12, at 3 p.m. in Schwab Auditorium. Assistant professor of music Bruce Trinkley will direct the Glee Club in Poulenc's "Lauds of Saint Anthony of Padua," choruses from Monteverdi's "L'incoronazione di Poppea;" von Weber's "Oberon;" Beethoven's "Fidelio;" and Musorgsky's "Boris Godunov." The Hi-Los, 12 members of the Club, will also be a highlight of the program.

A powerful drama with an all-female cast, "The House of Bernarda Alba," will open at Pavilion Theatre Friday, May 3, starring professional actress Carol Gustafson as Bernarda and with Manuel Duque,



Earl Davis and Ann Shields, the leads in "The Only Game in Town," at the FUB.

Frank D. Gilroy's romantic drama, "The Only Game in Town," a hit Broadway show which was made into a film starring Elizabeth Taylor and Warren Beatty, will be performed in the East Halls' FUB lounge Thursday-Sunday, May 9-12, at 8:30 p.m. Starring Ann Shields as Fran Weaver and Earl Davis as the luckless piano player Joe Grady, the production is being directed by Davis, with Lee Coffey as associate producer. Vince Horton is the rich business fiancée of Fran.

Community Awareness, the East Halls Student Association, and Redave Productions are cooperating in the production. Redave previously produced three other theatre-in-the-dorm shows.

Admission is 50 cents, at the door.



Carol Gustafson, starring in Garcia Lorca play.

assistant professor of theatre arts, as director.

The last complete play of Spanish poet-playwright Federico Garcia Lorca, the story is about maternal domination and the tragic revolt that results from the severe frustration of sexual fulfillment. The setting is in Spanish villages.

The University Theatre production, which has student previews May 1 and 2, will continue May 4 and May 7-11. All curtains are at 8 p.m.

Miss Gustafson has appeared on and off Broadway, in films, television dramas, and in commercials. Broadway productions she played in include "The Odd Couple," "Dylan," and "Separate Tables." Most recently she starred in "Twigs" at Falmouth Playhouse.

Duque joined the faculty in 1970 after having taught, directed and acted at Bennington College, Bucknell and the University of Illinois.

Tickets may be reserved by calling 865-1884.

Project needs engineering students

Student majoring in various engineering fields are being sought to work in a project, scheduled to run from June 3 to Aug. 23, entitled "Community Design for Optimal Energy and Resource Utilization."

The National Science Foundation has provided \$7,130 for the project, part of the Student Originated Studies Program. Stephen Bilenky, a junior in general agriculture, is the student director of the study, which will consider domestic energy efficiency, proper land use, pollution reduction, materials efficiency, and social satisfaction. Bilenky needs students experienced in architectural engineering, general engineering, environmental resource manage-

ment, and man-environment relationships. Those working on the project will be paid about \$80 for a 40-hour week.

Interested students should contact project advisor, Dr. Robert M. Butler, assistant professor of agricultural engineering 865-2651.

The information developed in the study, Bilenky believes, should assist designers and planners in providing improved resource uses in their community development.

Gary J. Malyn, sophomore in landscape architecture, helped in the project proposal development.

Staff vacancies

University faculty or staff members who are interested in any of the staff exempt or staff non-exempt jobs listed below may apply by calling Employment Division, 865-1387 (Baltimore Line 475-1387). Do not connect the area having the vacancy. Applications will be accepted until: 5 p.m., May 16, 1974.

ASSISTANT MANAGER, HOUSING & FOOD SERVICES — **Heintzelman Campus**
Responsible for assisting in supervising the overall operation of the Housing and Food Service Units. Associate degree in Institutional Management or equivalent with one to two years experience in food supervision.
JR. ELECTRICAL DESIGN TECHNOLOGIST, APPLIED RESEARCH LABORATORY — **University Park**

Responsible for applying the most appropriate design concepts and modern technological innovations in components and design philosophy to the implementation of critical digital and analog circuits and for following through their development and integration into large instrumentation systems. Bachelor of Technology degree or equivalent, plus up to one year of experience.

RESEARCH AIDE (BIOPHYSICS), SCIENCE — **University Park**
Responsible for conducting research tasks and experiments on the effects of radiation on living fungus cells. Bachelor's degree in microbiology, U.C. claims and coordination of layouts, and secretaries of University employees or laboratory experience preferred.

DIRECTOR, EDUCATIONAL OPPORTUNITY PROGRAM, STUDENT AFFAIRS — **University Park**
Responsible for planning, developing, implementing, and administering the Educational Opportunity Program. Ph.D. or equivalent with at least three to five years experience in fields of counseling, teaching and administration.

UNEMPLOYMENT COMPENSATION SPECIALIST, PERSONNEL ADMINISTRATION — **University Park**
Responsible for assisting in the coordination and administration of the University's unemployment compensation program, including the investigation of U.C. claims and coordination of layouts, and secretaries of University employees and supervisors. A Bachelor's degree, or equivalent, plus at least five years of administrative experience are required.

PENN STATE intercom

Volume 3, Number 34

May 9, 1974

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

Faculty convocation Monday

President John W. Oswald will utilize the new University Auditorium to conduct the first University-wide faculty convocation to be held in many years.

The convocation will be held at 4:00 p.m. Monday (May 13). All University Park faculty, as their schedules permit, are invited to attend the convocation as are faculty members from the other University campuses who are in University Park that day.

To accommodate faculty at other locations, a simultaneous broadcast will be made at each of the 21 locations in space convenient for faculty members.

President Oswald will discuss current issues of importance to the University Community, including a number of items suggested by faculty members in response to his invitation.

"Since coming to Penn State I have been eager to find a feasible arrangement and setting for communicating directly, personally, and simultaneously with our large and dispersed faculty," President Oswald said. "The new auditorium now seems to provide the core facility, and I look forward to this innovation in our University community life."

Penn State, Jefferson cooperate

Unique nutrition program funded

Penn State and the Jefferson Medical College, Philadelphia, are establishing what is termed "a unique program" in nutrition education. It was announced Monday of this week.

The Howard Heinz Endowment, Pittsburgh, has provided a four-year grant of \$850,000 to finance the program. The grants will be made through the Nutrition Foundation, a public non-profit institution.

Designed to serve as a prototype for similar efforts throughout the country, the program will include nutrition education for the medical and health professions, college and university students, public school teachers, high school and elementary students and the general public. In addition, nutrition consultation resources and clinic services will be set up in selected communities.

Dr. William J. Darby, president of The Nutrition Foundation, described the program as "a major step toward the development of an integrated approach to nutrition education in this country."

"In both doctors and teachers will receive adequate training in nutrition in order that our expanding knowledge of nutrition science can be applied to improving the health and welfare of the American people."

"The Heinz Nutrition Program is the first one of its scope in the United States and we hope that it will be emulated again and again in other parts of the country."

Jefferson Medical College, the largest medical school in Pennsylvania, is marking its 150th anniversary this year. It has a cooperative accelerated medical education program with Penn State. Each year 40 students enter the medical school after a year of undergraduate work at Penn State. The Nutrition Foundation selected the two universities for the development of this nutrition program because of the experience and interest of their faculties in nutrition education and the good working relationships which exist between them.

At Penn State, Dr. Helen A. Guthrie, professor of nutrition, will direct the program, which will be coordinated by the Division of Biological Health. In addition, the Health Planning and Nursing faculties will collaborate in both the educational and research aspects of the program.

College Dean Dr. Donald H. Ford said, "The mission of the college is to develop professionals who are dedicated to improving the health and quality of individual and community life through direct services to individuals and families."

At Jefferson, the Department of Community Health and Preventive Medicine will coordinate the program. Dr. Willard A. Krehl, who will coordinate the program there, explains that more emphasis on food and nutrition as it applies to clinical problems and those of community health has been needed.

Faculty members should participate in all policy making elements of the University and should be involved in all aspects of governance.

That is the basic thrust of the final report of the Joint Senate Select Committee on Faculty Participation in University Governance.

The 23-page report, with 35 specific recommendations, was presented to the University Faculty Senate at its meeting Tuesday. Copies are being made available to every faculty member.

In the report, developed over almost four months of intensive study, the committee said, "It is clear that there is strong demand and serious need to strengthen the functioning of the Senate and to strengthen the role of the faculty in governance."

Nine of the Committee recommendations are aimed specifically at strengthening the Senate.

The committee recommended that the Senate elect a chairman-elect, who will serve one year in that capacity prior to election as chairman, and would serve the following year as past chairman. It also recommends that the chairman be relieved of most of his non-Senate duties during his year in that post.

One recommendation calls for establishment of a Faculty Executive Committee to serve as an advisory and consultative committee to the president. The committee would consist of the four Senate officers and three faculty members elected at large by the Senate.

Others urge expansion of representation in the Senate; seek more substantial Senate input to the Board of Trustees; and recommend closer linkup between administrative offices and Senate committees, with vice presidents serving on appropriate committees and the committees, in turn, serving in an advisory capacity to the vice presidents.

The committee noted in the report that

News in brief

THESPIANS HONOR TWO

Ridge Riley, retired executive secretary of the Penn State Alumni Association, and Susan Browning, a Broadway and television star, will be honored by Penn State Thespians before the opening curtain of the performance of "Fiddler on the Roof" in Schwab Auditorium Saturday, May 11.

Riley will be recognized for distinguished service to Thespians and in particular his 24 years as a member of the board of advisors and years as secretary-treasurer of the board.

Miss Browning will be honored for Distinguished Contributions to the Performing Arts. She is a 1962 graduate of the University and while on campus was active in several Thespian productions, as performer and in directing dance for two shows. She also appeared in productions of Penn State Players and in the State College Community Theatre's first musical production, in 1961.

SCORE GRAND PRIZE WINNER

A Penn State engineering student, James Gurley, has won the grand prize in the national "Students Against Fires" competition sponsored by the National Student Competitions on Relevant Engineering. Gurley's microfilm data retrieval system

won the divisional prize in addition to the grand prize. Another entry, "Pyrovan," a specially equipped fire truck, won first honorable mention in its division. Forty colleges in the U.S., Canada, and Mexico competed.

ALTOONA BOUNCE

Students at the Altoona Campus, in particular Pi Lambda Theta brothers, helped to raise more than \$18,000 for the benefit of Easter Seals Society for Crippled Children and Adults of Blair County through a 100-hour basketball bounce-a-thon recently. The goal was \$10,000.

GSA RESOLUTION

The Graduate Student Association passed a resolution at its April 23 Council Meeting regarding the collective bargaining issue, as follows: "The Graduate Student Association is opposed to faculty unionization until such time as the graduate students can be assured that unionization will not adversely affect their academic and economic welfare." The resolution implies, says GSA, that some form of collective bargaining could provide a workable solution to many of the problems facing the University academic community.

WEIGHT LOSING

Free-U has provided two tapes for the Listening-Learning dial system to help those

(Continued on page four)

Faculty role in governance urged in Senate

the premise for its recommendations is that shared responsibility among all elements of the University community is essential to the effective functioning of a major university.

According to Dr. Robert S. Friedman, committee chairman, the group felt the Senate should be the exclusive university-wide agent for faculty participation in governance.

"This doesn't mean that there will be no delegation of authority," he said. "But the committee feels that advice to the president and the provost should be funneled through the Senate."

Several committee recommendations emphasized the need to establish guidelines and recognized procedures for shared responsibility and joint participation in decision-making.

"The committee," Dr. Friedman said, "felt there was a real need for general guidelines for faculty participation in colleges, departments and campuses. Everyone need not have the same procedures for governance, but there should be some general guidelines within which written procedures can be established."

In its report the committee recommended that the president direct each college, department and campus to develop and codify an appropriate faculty organizational structure and procedures (if such do not already exist) that "will ensure a substantial level of faculty participation in all aspects of governance of these units."

In a related matter, the committee recommended that "the president, with the advice of the University Faculty Senate, should develop general University guidelines for a system of peer review regarding academic personnel decisions, including appointments, promotions and tenure, and direct each academic unit to review, and where appropriate, amend these procedures in light of these guidelines."

"Faculty should have a participatory role in all these matters," Dr. Friedman said. "At present, some do and some don't. The level of participation varies greatly and is informal."

"The committee is seeking greater formality through a systematic review in which the faculty role will vary. For example, faculty should play a substantial, but not exclusive, role in review of faculty administrators. And, in all cases, the faculty should have primary responsibility for selection of its own participants in these review procedures."

According to Dr. Friedman, the committee also believes that the administration of the University should be encouraged to perform a leadership and initiative role and that the faculty also should be innovators.

"Both should be encouraged to innovate and initiate new ideas," he said, "but we also need a system of checks and balances."

Dr. Friedman said the committee feels its recommended procedural and structural changes will improve the quality and effectiveness of faculty participation in governance, but also recognizes that no set of procedures can make a timid and/or disinterested faculty effective in governance.

"The committee believes it is essential within departments, colleges and at Commonwealth Campuses, as well as within the Senate, that the faculty develop a determination to speak up and demonstrate that it cares about the destiny of the University. We recognize that this is more easily said than done."

"But no structural recommendation can change a climate conducive to docility and timidity into one of courage and commitment. It will take a change of attitude on the part of the faculty and the administration to make shared responsibility work in the traditions of a great university."

RETIREMENT

Dr. Clare William Pierce, professor of agricultural economics, who has been a member of the faculty since 1937, retired on May 1. He received the bachelor of science degree in agricultural economics from Penn State in 1932. The M.S. degree was conferred by the University of Maryland and the doctor of philosophy degree by Cornell University. Widely regarded as an expert in dairy economics, Dr. Pierce, in addition to teaching, research and continuing education work at the University, has served on numerous Federal, state, and regional groups concerned with milk pricing in various areas.

In Pennsylvania he has consulted with members of the Milk Control Commission, two State Secretaries of Agriculture, and a public commission appointed by former Governor William W. Scranton to study and report on State milk control. He has also served as manager of the Pittsburgh District Dairy Council.

He has been Penn State's representative on the Northeast Dairy Marketing Regional Research Technical Committee for a number of years. With the chairmanship of the group, the several colleges and universities involved undertook a study of state milk control in the northeast.

His counseling and research activities have included work with the Ohio Legislative Bureau, Pennsylvania and New Jersey Departments of Agriculture, Ohio Jer-

Bureau, Illinois Agricultural Association, American Guernsey Cattle Club, Milk Industry Foundation, and Connecticut Milk Producers Association.

HONORS

Dr. Harry Prystowsky, provost of the Hershey Medical Center and dean of the College of Medicine, will be awarded the honorary degree of Doctor of Science by The Citadel, Charleston, S.C., Saturday, May 18, when he will serve as commencement speaker. He is to be cited for his "distinguished service in the field of medicine as practitioner, educator, and researcher." He is a 1948 graduate of The Citadel.

Dr. George C. Shofstall, assistant director of continuing education in the college of Science, was chosen president-elect of the Pennsylvania Academy of Science at the Academy's 50th Anniversary meeting last week and will assume the presidency in April, 1976. The Academy, founded in 1924, is dedicated to the encouragement of scientific activities in the Commonwealth. Dr. Shofstall has served as secretary of the Academy since 1971.

The Council for Exceptional Children has presented a citation to **Dr. Joseph L. French**, professor and head of special education, "for outstanding achievement" to recognize his help in organizing and

developing the Foundation for Exceptional Children. The Foundation was formed three years ago to advance the education of both handicapped and gifted children by providing a supplement to the efforts of governmental agencies to attack the critical problems of exceptional children and special education.

IN WRITING

Dr. Walter Freeman, director, Division of Community Development, is co-editor of "Ethnicity and Nation Building" recently published by Sage. The volume is a collection of essays based on an International Studies Association Conference held in Puerto Rico in 1971. There are introductory essays by Dr. Freeman and co-editor, Dr. Wendell Bell of Yale University. One of the contributors, H. S. Cohen, associate professor of urban planning, has written a chapter on Internal and External Conflicts of an American Indian Community.

"A Conceptual Guide to Finnegan's Wake," edited by **Dr. Michael Bernal**, associate professor of English and comparative literature, and Fritz Senn, has been published by the University Press. Among the 13 contributors was **Dr. Ronald E. Buckwalter**, assistant professor of English, who prepared a chapter. Dr. Bernal wrote the introduction and contributed a chapter also. The book presents a variety of critical positions, including the linguistic, biographical, allusive, and structural.

SERVICE AWARD



Dr. Robert M. Pokras, (right) associate professor of Journalism, received the 25-Year Service Award certificate and chair from College of the Liberal Arts Dean Stanley F. Paulson at an informal ceremony. Pokras joined the faculty as instructor in 1949, after serving on the University of Illinois faculty. He was in the U.S. Army for 43 months during World War II after appearing as editor of a New Jersey paper, as reporter for a Massachusetts paper, and as editorial assistant for Fairchild Publications. He earned his A.B. degree in journalism at the University of North Carolina, M.S. at Illinois, and Ph.D. at Stanford. In 1953, he has taught a great variety of courses in the journalism department, from beginning to advanced degrees.

Philosophy has three-day colloquium on Romanticism

The Department of Philosophy, with aid from the National Endowment for the Humanities, is sponsoring a three-day interdisciplinary colloquium on "Romanticism," May 15-18 at the J. O. Keller Conference Center. The sessions are open to the public. In connection with the Colloquium, three evening programs in the arts will be presented, also open to the public.

A program of Romantic music will be performed Wednesday, May 15, at 8:30

p.m. in Schwab Auditorium by the Aired Quartet, pianist Phyllis Triolo, cellist William Thomas, and bass-baritone Raymond Brown, accompanied by Cynthia Schein. Music by Schubert, Schumann, Chopin, Chausson, and Brahms will be performed.

Friday, May 17, members of the Penn State theatre group, directed by Richard Edelman and Archie Smith, theatre arts, will present readings on the theme of science at 8 p.m. in the Conference Center

The Conference will conclude Saturday, May 18, with a concert by the University Symphony Orchestra at 8 p.m. in Schwab Auditorium.

Lectures in the conference will include the following:

Thursday, May 16, beginning at 10 a.m. — **Geoffrey Hartman**, Yale University, on "Wordsworth and Goethe in Literary History." At 3 p.m., **Richard R. Niebuhr**, Harvard University, on "The Romantic Re-

mation of Religion and Theology." At 8 p.m., **Henry Payne**, City University of New York, on "The Origin of French Romanticism."

Friday, May 17, at 10 a.m., **George Levine**, University of Maryland, on "French Romantic Art: Problems of the Sources." At 3 p.m., **Judith N. Shklar**, Harvard University, on "The Origins of Romantic Political Theory."

Saturday, May 18, at 10 a.m., **Ollo Poeggeler**, Ruhr University, on "Philosophy in the Wake of Heidegger." At 4 p.m., a panel discussion chaired by **Stanley H. Rosen**, professor of philosophy.

Energy symposium next week involves many faculty

Everyone in the University community is invited to attend sessions, any or all, of the "Energy Symposium," May 15-16, a continuing education extension program aided by the Office of Environmental Quality Programs and developed by a planning committee representing each of the academic colleges.

Morning and afternoon sessions will be held in Schwab Auditorium, opening Wednesday at 9 a.m. when President Oswald and Rep. Albert W. Johnson will make opening remarks, and William E. Simon, former director of the Federal Energy Office, or his deputy director, now director, John C. Sawhill, will give the keynote address.

Other visiting speakers include Anthony

Copp, economist, American Petroleum Institute, and Dr. Milo L. Cox, Agency for International Development (AID).

Faculty and staff members on the program are:

Wednesday morning — **Dr. Monroe Newman**, economics; **Dr. R. L. Gordon**, mineral economics; **Dr. J. F. Griffiths**, petrography; **Dr. Robert L. Clewett**, business administration.

Wednesday afternoon — **Dr. George E. Brandon**, agricultural economics; **Dr. Marvin Rozen**, economics; **Dr. David L. Westby**, sociology; **Dr. Arthur H. Patterson**, man-environment relations; **Dr. Craig R. Humphrey**, sociology; **Dr. T. D. Larson**, civil engineering; **Dr. Charles L. Hosier**, Earth and Mineral Sciences; **Dr. W. J. Moroz**, Center for

Air Environment Studies; and **Dr. Eva J. Pell**, plant pathology.

Thursday morning — **Dr. Richard D. Schein**, Office of Environmental Quality Programs; **Dr. L. W. Sargent**, mining; **Dr. R. G. Price**, philosophy; **Monty L. Christiansen**, recreation and parks; **Dr. Peter Bennett**, marketing; **Dr. W. E. Caldwell**, education; and **Dr. W. F. Witzig**, nuclear engineering.

Thursday afternoon — **Dr. William Spackman**, paleobotany; **Dr. E. W. Biederman, Jr.**, PENNAP; **Dr. D. R. Frankl**, physics; **Dr. Forrest J. Remick**, assistant to the vice president for research and graduate study; **Dr. N. J. Palladino**, Engineering; and **Dr. Richard G. Cunningham**, vice president for research and graduate studies.

program proposed; (3) provide a setting for the clinical experience required; (4) include if possible veterans as trainees who have had military health care and public safety training including police, fire, and others. The proposed rules have been distributed and are available. (Ref. 39FR15011-2/57, 74).

(128-5) National Endowment for the Humanities (Office of Fellowships, 806 15th St., N.W., Washington, D.C. 20506) has announced its 1975-76 program of fellowships for scholars, teachers and writers who wish to spend time in 1974 for original research on the socio-economic aspects of the health-care industry. The stipend is \$2500 for one year. Fellows must have completed all requirements for the Ph.D. degree except the thesis and the final exam. The application deadline is June 15. Interested persons should write to the address given above. An application must include a detailed dissertation proposal, research plan and future goals, transcripts, a copy of University requirements for the doctorate, dissertation outline and a list of at least two potential advisors of support including one from the advisor and one from the department head.

Institute awards eight fellowships

Eight research fellowships have been awarded for the coming Fall Term by the Institute for the Arts and Humanistic Studies at the University.

Recipients include:

Dr. David P. Daniel, associate professor of the history of Bohemian college, for a study of the history from Era in Slovakia;

Dr. Walter Doran, associate professor of classics for an analysis of socio-political terminology in the client Greece from the eighth to the fourth century B.C.;

Dr. L. Fanner, associate professor of music, to complete a study of electronic synthesis with the capability of real-time performance;

Charles H. Firmin, assistant professor of theater and film, for a study of British stage lighting;

Stephen Porter, assistant professor of art, development of two stainless steel sculptures;

Dr. Peter H. Schoenman, assistant professor of English, for creative development of a novel-length story;

Dr. Thomas M. Sheehy, professor of philosophy, for research on Hegel's essay "Difference and Fichtenschen and Schelling's Systems;" and

Dr. Wladyslaw A. Stronko, assistant professor of architecture, for "Spaces for Music."

Exhibits

Museum of Art — Manayunk and Other Places: Paintings and Drawings by John Speight, opening May 12, Gallery B.

A and C Graphics by Six Swiss Sculptors, until May 12, Gallery B.

Chambers Gallery — Art Education Undergraduate Exhibition, until May 10, John Wahling, Textiles and Jenny Floch, Ceramics, opening May 11.

Zoo Gallery — Annual Juried Student Show.

Hammond Gallery — "Studies in Visual Communication," opening May 12.

Arts Bldg. — Photography of Henry Wessell, until May 14, Monday-Friday, 1-5 p.m.

Kern Gallery — Sculptures by Oliver La Grone, May 11-18; abstract prints by Florence Auterman, May 12-25; and metal sculpture by David Bachrach, until May sculpture by Rod Taylor, including May 11; sculptures by Spaulding concluding May 10.

Funding Opportunities

Instruction—Research—Continuing Education—Fellowships

For more information and funding source information, call 865-1372.

May 9, 1974

(128-1) The Office of Education will fund 75% of the cost of Educational Opportunity Center Programs established at accredited institutions. These Centers may serve areas with "a concentration of low income persons." These people who pursue a program of postsecondary education can request financial and academic guidance from the Centers, which will also offer higher education admission assistance, and counseling and tutoring aid. Since this is an end of Fiscal Year 1974 program, the deadline date for application is May 29, 1974. Information about this program has been distributed and is available from: Marshall Emm, Educational Opportunity Center Program, Bureau Area 1, University Center, Room 4100, Regional Office Building 3, 7th and D Streets, S.W., Washington, D.C. 20002, (202)246-2553. (Ref. CFA 13.543) (39FR14944 & 14955-4/29/74).

(128-2) The Office of Education is seeking for proposals aimed at designing instructional materials for the teaching of the metric system of measurement. Specific subject areas are: Curriculum materials development for metric measurement in career education, intensive training utilizing these materials, and development of "occupational related materials units in metric measurement for under-educated adults. Vocational, technical,

and basic adult education programs are directly involved in the need to understand and apply the metric system. Thirty percent is allowed for project completion. Information about this project has been distributed and is available. The RFP due date is May 22, 1974. (Ref. CBO 4/23/74, p. 2) (RFP 74-64).

(128-3) The National Endowment for the Arts (NEA) Public Education and Awareness program has a July 1, 1974 deadline. A major goal is the integration of design and environmental values with the elementary and secondary school education experience. Special emphasis is placed on programs using communications media including film, tape, TV, radio, posters, and booklets. Matching grants to organizations range from \$10,000 to \$50,000 and non-matching grants to individuals up to \$10,000. The program contact is **Orly Goffey**, Special Asst. to Director, Architecture and Environmental Arts, NEA, Washington, D.C. 20506 (202)382-6657.

(128-4) The Public Health Service has issued proposed rules for Grants for Training in Medical Services. Minimum requirements would include: (1) training in the techniques of providing emergency medical services for students or professionals in medicine, dentistry, osteopathy, nursing, allied health, or other health fields; (2) demonstrate a need for the type of educational

University Park Calendar

May 9-19, 1974

Special Events

Thursday, May 9 — Play, "Christ in the Concrete City," by P. W. Turner, performed by Inter-Varsity Christian Fellowship, 8 p.m., HUB assembly room.

Thursday-Sunday, May 9-12 — East Halls Student Association and Redave Productions, play, "The Only Game in Town," 8:30 p.m., ROTC lounge, East Halls.

Friday, May 9 — FUB Awards Day, 4 p.m., Ice Pavilion.

Thursday, May 9 — Graduate School sponsored Thesis Workshop, 7:30 p.m., Room 101 Kern.

Thursday, May 9 — Pittsburgh Symphony Chamber Orchestra, 8:30 p.m., Music Bldg. recital hall.

Friday, May 10 — Annual Spring Symposium in Clinical Psychology, Room 112 Kern.

Friday, May 10 — Todd Fay, psychology, University of Western Ontario, on "Homosexuality: Universal or Culture-Specific," beginning at 9:30 a.m. Dr. Napoleon Chagnon, anthropology, on "The Social Organization of Aggression in Primitive Societies," 1 p.m. Dr. Raymond H. Prince, psychiatry, McGill University, on "Psychotherapies in Cross-Cultural Perspective," 2:45 p.m. No registration, no fee required.

Friday, May 10 — University Concert Committee program by Ellen McIlwain, 8 p.m., HUB ballroom. Tickets \$2.50.

Friday, May 10 — Free-U Jammy, 7:30-11:30 p.m., HUB ballroom.

Friday, May 10 — Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

Friday-Saturday, May 10-11 — Artists Series, Pittsburgh Symphony and University Choirs with guest soloists, 8:30 p.m., University Auditorium.

Friday-Saturday, May 10-11 — Women's Liberation films, 8-11 p.m., Room 111 Fern. Friday, "The Women's Happy Time Commune," Saturday, "Gertrude

Stein: When You See This, Remember Me."

Thursday-Saturday, May 9-11 — University Theatre, "The House of Bernarda Alba," 8 p.m., Pavilion Theatre.

Thursday-Saturday, May 9-11 — Penn State Thespians, "Fiddler on the Roof," 8:30 p.m., Schwab. Saturday matinee, 2 p.m.

Thursday-Sunday, May 9-12 — Community Awareness, East Halls Student Association and Redave Productions, "The Only Game in Town," 8:30 p.m., FUB lounge, East Halls.

Saturday, May 11 — Folk and Square Dance Workshop, 1-5 p.m. and 8 p.m. to conclusion, north gym, White. Sponsored by Health, Physical Education and Recreation, organized by Penn State Dancers and Interlandia Dance Club. Instruction by David Henry and Al Schwinbart. Admission free; no prior experience needed.

Saturday, May 11 — Model Railroad Club Annual Auction, 2 p.m., Room 203 HUB.

Saturday, May 11 — Football, Blue-White game, 1:30 p.m. Women's lacrosse, vs. Wilson, 1 p.m.

Saturday, May 12 — Penn State Glee Club Mother's Day Concert, 3 p.m., Schwab.

Sunday, May 12 — Sports: Men's baseball, vs. Colgate, 2 p.m.

Sunday, May 12 — Phi Mu Alpha "Brotherhood Recital," an evening of musical variety, 8 p.m., Room 112 Kern. No admission charge.

Sunday, May 12 — Chapel Service, 11 a.m., Music Bldg. recital hall. A Service of Music and Homily, the University Chapel Choir.

Sunday, May 12 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

Sunday, May 12 — Mothers Day Concert of Romantic Parlor Music, 2 p.m., Room 112 Kern.

Monday, May 13 — Play, "Christ in the Concrete City," 7 p.m., Chapel lounge.

Monday, May 13 — University-wide faculty convocation, 4 p.m., at University Park, new auditorium, at Commonwealth Campuses, simultaneous broadcast. President Oswald commenting on current issues of importance to the University community.

Monday, May 13 — Charles Metz, piano, 8:30 p.m., Music Bldg. recital hall.

Tuesday, May 14 — Organ recital by Mary Ann Frazier, 4 p.m., Music Bldg. recital hall.

Tuesday, May 14 — Sports: Women's golf, vs. Cornell, 11 a.m., White Course.

Tuesday-Wednesday, May 14-15 — Student Peace Union, Slide show, "Post War-War," 11:30 a.m.-1:30 p.m., HUB assembly room.

Tuesday-Wednesday, May 14-15 — Department of Political Affairs — U.S.G., "Candidates Night," 7:30 p.m., HUB reading room.

Tuesday-Wednesday, May 14-15 — University Theatre student group, Jazz Dance Theatre in Concert, 8 p.m., Playhouse Theatre.

Wednesday, May 15 — Penn State Brass Chorale, 8:30 p.m., Music Bldg. recital hall.

Wednesday, May 15 — Sports: Men's baseball, vs. Indiana, Pa., 3 p.m. Women's softball, vs. Ursinus, 3:30 p.m.

Wednesday, May 15 — Nontime concert, 12:15 p.m., lobby of Kern.

Wednesday, May 15 — Folk and Square Dance Roundup, 7:30 p.m., North Gym, White.

Wednesday, May 15 — Interdisciplinary Colloquium Concert of Romantic Music, 8:30 p.m., Schwab. Performances by the Alard Quartet: Phyllis, Triolet, Raymond Brown, William Thomas.

Thursday, May 16 — Oliver LaGrone gallery talk and demonstration, north, lobby

of Kern. Lecture, 7:30 p.m., Room 101 Kern, on "Shattering Myths — Light from the Dark Continent."

Thursday, May 16 — Hillel, 8 p.m., HUB reading room. Dr. Fickersham on "Human Sexuality As a Total Health Entity."

Thursday-Saturday, May 16-18 — University Theatre, Jazz Dance Theatre in Concert, 8 p.m., Playhouse Theatre.

Thursday-Saturday, May 16-18 — Interdisciplinary Colloquium on "Romanticism," Keller Conference Center. Thursday, 10 a.m., Geoffrey Hartman, Yale University, on "Wordsworth and Goethe in Literary History." At 3 p.m., Richard R. Niebuhr, Harvard University, on "The Romantic Reformation of Religion and Theology." At 8 p.m., Henry Peyre, CUNY, on "The Originality of French Romanticism." Friday, 10 a.m., George Levine, University of Maryland, on "The Problem of Problems of the Senses." At 3 p.m., Judith N. Shklar, Harvard University, on "The Origin of Romantic Political Theory." Saturday, at 10 a.m., Otto Poeggeler, 8:30 p.m., Schwab, on "Philosophy in the Wake of Heidegger." At 3 p.m., Panel Discussion.

Friday, May 17 — Marcus Chubbuck, piano, and Terri Vincent, vocalist, 8:30 p.m., Music Bldg. recital hall.

Friday, May 17 — Interdisciplinary Colloquium, Penn State Theatre group in a "Reading on the Theme of Science," 8 p.m., Keller Conference Center auditorium.

Friday, May 17 — Sports: Men's track, Penn State Open Invitational.

Friday, May 17 — Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

Saturday, May 18 — PSU Symphony Orchestra, 8 p.m., Room 102 Kern.

Saturday, May 18 — Sports: Men's baseball, vs. Mansfield, 1 p.m.

Sunday, May 19 — Penn State Ensemble Pops Concert, 3 p.m., Arts Courtyard.

Seminars

Thursday, May 9 — Nuclear Engineering, 4 p.m., Room 111 Breazeale Nuclear Reactor. Dr. Robert W. Bussard, U.S. Atomic Energy Commission, on "Technological Problems in Controlled Fusion Research."

Thursday, May 9 — Aerospace Engineering, 4 p.m., Room 223 Hamory. A. K. Anand on "Three-Dimensional Turbulent Boundary Layer in a Rotating Helical Channel."

Thursday, May 9 — Physics, 3:35 p.m., Room 117 Osmond. Paul A. Fleury, B. L. Telephone Laboratories, Murray Hill, N. J., on "Recent Developments in Light Scattering from Simple Molecules."

Thursday, May 9 — Chemistry, 12:45 p.m., Room 310 Whitmore. E. C. Taylor, Princeton University.

Thursday, May 9 — Computer Science, 4 p.m., Room 101 Althouse. John Hopcroft, Cornell University, on "Efficient Design of Algorithms."

Thursday, May 9 — Electrical Engineering, 11 a.m., Room 328 E. E. East. Dr. Robert H. Dennard, I.B.M. Research Laboratory, on "High Performance MOS Devices — Design for Electron Beam Fabrication."

Thursday, May 9 — Agronomy, 3:30 p.m., Room 3019 Ag. Admin. Bldg. W. D. McIlveen on "Development of Mycorrhizae on Crop Plants."

Thursday, May 9 — Meteorology, 3:55 p.m., Room 28 Mineral Sciences. Dr. R. E. Munn, Meteorologist, Air Quality and Inter-Environmental Research Branch, Atmospheric Environmental Service, Downsview, Ontario, on "International Problems of the Environment."

Thursday, May 9 — Urban Transportation and Air Pollution Control, 2:20 p.m., Room 112 Kern. Robert Supraman, environmental lawyer, Deckert, Price and Rhoads, Philadelphia, on "The Role of Law in Shaping the Urban Environment."

Thursday, May 9 — Philosophy, 4 p.m., Room 251 Willard. Gerald Press on "Concept of History in Classical Greece."

Thursday, May 9 — Slavic and Soviet Language and Area Center, 3 p.m., Room 171 Kern. John Stevens, economics, on "Discrimination, Autarky and Some Other Characteristics of Soviet Bloc Foreign Trade."

Friday, May 10 — Geosciences, 4 p.m., Room 26 Mineral Sciences. Krzysztof Birkenmajer, Laboratory of Geology, Polish Academy of Sciences, Krakow, Poland, on "Geological Structure of Spitzbergen and East Greenland and Plate Tectonics."

Friday, May 10 — Geoscience, 1 p.m., Room 26 Mineral Sciences. Frank Press, Chairman, Department of Earth and Planetary Sciences, M.I.T., on "Origin and Evolution of the Lithosphere."

Friday, May 10 — Analytical Chemistry, 11:10 a.m., Room 333 Whitmore. Albert C. Consuelo on "Redox Thermochimistry of Iron Porphyrins."

Friday, May 10 — Ecology, 4 p.m., Room 101 Kern. Dr. Frederick Smith, Harvard University, on ecosystem modeling and evolutionary implications.

Friday, May 10 — Meteorology, 3:55 p.m., Room 541 Delke. Dr. Richard Jones, University of Hawaii, on "Time Series Analysis in Meteorology."

Monday, May 13 — Inter-Science, 4 p.m., Room 310 Whitmore. Dr. W. H. Orme-Johnson, biochemistry, University of Wisconsin, on "Recent Developments in Ion-Sulfur Proteins."

Monday, May 13 — Plant Pathology, 9:45 a.m., Room 213 Buckhout. Robert Kohut on "The Interaction of Air Pollutants and Plant Pathogens."

Monday, May 13 — Genetics, 3:55 p.m., p.m., Room 111 Tyson. Dennis Peiffer, biology, on "An Analysis of Inguemutatory Purines and Pteridines in Trout: An Approach Utilizing Mutant Color Varieties."

Monday, May 13 — New Communities, 2 p.m., Room 322 Sackett. Dr. Donald Klein, psychology, Johns Hopkins University, on "Problems and Possibilities for Mental Health Programming in New Communities."

Monday, May 13 — Computation Center, 7:30 p.m. SPSS (3), Room 110 Osmond. Census (3), Room 109 Osmond.

Tuesday, May 14 — Environmental Pollution Control and Solid Waste Management, 2:20 p.m., Room 140 Fenske. Walter K. MacAdam, Senior Energy Consultant, Wheelabrator-Frey, on "Technology and Economics of Extracting Energy from Refuse."

Tuesday, May 14 — Ceramic Science, 11 a.m., Room 301 Mineral Industries. Dr. Charles Hulse, United Aircraft Research Labs., on "Directionally Solidified Oxide Eutectics."

Wednesday, May 15 — Computation Center, 7:30 p.m. SPSS (4), Room 110 Osmond. Census (4), Room 109 Osmond.

Wednesday, May 15 — Animal Nutrition and Nutrition, 3:55 p.m., Room 111 Animal Industries. L. Brinkman, human development, on "Dietary Treatment of Obesity."

Wednesday, May 15 — Physics, 3:55 p.m., Room 117 Osmond. Terry L. Loucks, North American Rockwell Science Center, on "Careers for Physicists in Industrial Research."

Thursday, May 16 — Chemistry, 12:45 p.m., Room 310 Whitmore. Robert E. Slattery, Aerospace Research Laboratories, Wright-Patterson Air Force Base, on "Gas Chromatographic and Nuclear Magnetic Resonance Studies of Metal Complexes."

Thursday, May 16 — Agronomy, 3:30 p.m., Room 111 Tyson. D. Wehner on "Isotopes and Varietal Identification."

Thursday, May 16 — Engineering Acoustics, 4 p.m., Room 171 Willard. Geoffrey L. Wilson, A.R.L., on "The Measurement of the Bulk Modulus Loss Factor of Small Solid Specimens."

Thursday, May 16 — Urban Transportation and Air Pollution Control, 2:20 p.m., Room 112 Kern. Robert McManus, Department of Transportation, Washington, on "The Future of Urban Mass Transportation."

Thursday, May 16 — Anthropology, 3 p.m., Room 107 Social Science Bldg. James Hatch, on "Social Dimensions of Prehistoric Mortuary Practices: A Progress Report."

Friday, May 17 — Analytical Chemistry, 11:10 a.m., Room 333 Whitmore. George W. Goodloe on "Column Selection in Liquid Chromatography."

Lectures

Thursday, May 9 — Henry Wessel, photographic discussion of his works to be displayed in Room 213 Arts Bldg., 8 p.m.

Monday, May 13 — East Asian Festival, Dr. Shahid Javed Burki, sociology, Harvard University, on Chinese economics, 8:00 p.m., Room 112 Chambers.

Tuesday, May 14 — College of Health, Physical Education, Recreation, 7:15 p.m., Room 267 Recreation Bldg. Daniel F. Henley, M.D., American Games Physician, on "Health Challenges, Drugs and Athletic Performance."

Wednesday, May 15 — Army ROTC Department, 8 p.m., Room 121 Sparks. Ambassador Lewis Hollicker, Special Assistant to the Secretary of State on Combating Terrorism, on "The U.S. Government Response to Terrorism: A Global Approach."

Meetings

Tuesday, May 14 — College of Liberal Arts faculty, 3:55 p.m., Room 121 Sparks.

Tuesday, May 14 — College of Agriculture faculty meeting, 4 p.m., Room 301 Ag. Admin. Bldg.

Thursday, May 16 — College of Engineering faculty, 4 p.m., Room 26 Mineral Sciences.

Monday — O.T.S., 6:30 p.m., Room 203 HUB.

Mondays — U.S.G. Senate, 7:30 p.m., HUB assembly room.

Wednesdays — Academic Assembly, 7:30 p.m., Room 351 Willard.

Thursdays — Heron Union Board, 7 p.m., Room 206 HUB.

Sundays — U.S.G. Supreme Court, 7:30 p.m., Room 203 HUB.

Films

Thursday, May 9 — "Five Man Army," directed by Don Taylor, 8 a.m., Schwab.

Friday-Saturday, May 10-11 — "The Chase," 7:30 p.m., Room 105 Fern, sponsored by Delta Sigma Phi.

Monday, May 13 — Graduate Commons stage and Area Center, by Alistair Cooke, "America: Home from Home," 12:05 p.m., Room 112 Kern. Also HUB assembly room, 2:15 p.m.

Wednesday-Friday, May 13-17 — Videotape Network documentary, "House sponsored by HUB board. Times and places to be announced."

Official

Thursday-Saturday, May 9-18 — Prerequisite for Fall Term for those not attending Summer Term.

Friday, May 10 — Last day for signing NDSL, SEOG, BEOG, and University Long Term Loans for Spring Term.

Schuykill anniversary party



A tapestry depicting the Schuykill Campus was presented by the weaver, Marian Bell, to director Henry I. Herring as a gift of the sophomore class during the 40th anniversary celebration of the campus April 25.

The Schuykill Campus, at Schuykill Haven, celebrated its 40th anniversary in the week of April 22 with a variety of activities, including a luncheon at which three current Advisory Board members were honored for 25 years of service to the campus and presented with a service award plaque and Penn State chair.

Another highlight of the celebration was the presentation to the University of a tapestry rendered by weaver Marian Bell. The tapestry, to be displayed permanently in the library, depicts the campus itself. It is a gift of the sophomore class. A resident of Pottsville, Marian has been weaving for seven years.

The Advisory Board members who were honored include Mrs. Maude Sterner Ulmer, of Pottsville; former State Senator Paul Wagner, of Tamaqua; and Judge G. Harold Watkins, of the Pennsylvania Supreme Court.

Established as the Schuykill Undergraduate Center in 1934, at Pottsville, at the request of the School District, the Ministerium, and service clubs of the city, the Campus is one of the oldest in the Com-

monwealth Campus system. Chemistry and physics laboratories of the Pottsville High School were used for the first year, but in succeeding years space was leased in the Bunker Hill building, and expansion was continued in 1945 with the leasing of another four-room school building. Other changes were effected over the years until 1963 when the County Commissioners deeded a 42-acre property adjacent to the borough of Schuykill Haven to the Advisory Board for a permanent campus. Existing buildings were remodeled and the first classes were held at the new site in 1967. An additional 16 acres with four buildings were deeded to the Board by the State in 1966, and in 1968 the property was converted to a residence hall area. Finally, in the past March, the approval of final plans was given by the Board of Trustees for construction of a multi-purpose building for offices, physical education classes, and space for conferences, demonstrations, and exhibits.

In its 40 years, the Campus has enrolled 6,785 full-time students, 1,465 part-time and adjuncts, and approximately 5,000 continuing education students. Now enrolled are 438 baccalaureate, 90 associate degree, and 66 adjunct students.

Henry I. Herring, administrative head of the Center or director of the Campus since 1950 (and member of the faculty since 1942), talked about the 40 years of the campus in activities during the celebration, much of which centered on April 25-26. In addition to library displays, tours for high school students, talks by faculty on computers, mathematics, science, business, engineering, and social studies, and languages, student organizations set up displays and made presentations.

A literary magazine, "Hourglass," was published for the anniversary, distributed free to the public invited to the open house program.

DANCE WORKSHOP

A folk and square dance workshop, sponsored by the College of Health, Physical Education, and Recreation, will be held on the University Park campus on Saturday, May 11. The workshop has been organized by members of the Penn State Dancers and the Interlandia folk dance club and will feature instruction by David Henry and Al Schwinbart.

Henry, currently a dance instructor at Barnard and Queens Colleges in New York, will teach dances from Europe and the Near East. Schwinbart, who is from West Virginia, is an expert in American square and contra dancing and will do the calling for this segment of the program.

This event is open to all interested persons regardless of previous dancing experience since there will be some very simple dances taught for the beginners as well as more advanced material. Admission is free and dancing will start in the north gymnasium of the White Building at 1 p.m. The afternoon session will end at 5 p.m., but dancing will resume at 8:00 that evening.

For more information, contact: Harold White, associate professor of physical education, (865-9202); Elizabeth Haney, instructor of physical education, (865-7591); or Jeanne Reynolds, Penn State Dancers, (865-8756).



Regatta at Stone Valley May 18

The Ninth Annual Regatta and Picnic sponsored by the Sailing Division of the Outing Club will be held Saturday, May 18, at Stone Valley, with events for just about everybody and a chicken dinner to wind things up late in the afternoon. (The rain date is the next day, competitors should call 863-0362.) It is a doubt about weather conditions on the 18th. In addition to various classes of sailing races, for students and non-students, various canoe and rowboat races will be held. Awards are made for the first three places. Spectators have almost as much fun at the Regatta each year as the sailors. The chicken supper can be purchased there, or picnickers are welcome to bring their own food.

The Arts: exhibits, music

"Studies in Visual Communication," an exhibit of enlargements of drawings by first-year architecture students, will go on display May 12 in Hammond Gallery. The projected images, visible from College Ave. after dark, will be the counterpart of the 60 drawings shown in actual form during the regular hours of the Gallery in the daytime. The drawings, made with tempera, ink, and washes, are from a course in architectural rendering taught by Howard Lawrence, assistant professor of architecture. The exhibit continues until May 24.

The U.S. premiere of a work by British pianist and composer, John McCabe, will be a highlight of the program by the Penn State Brass Choral Wednesday, May 15, in the Music Bldg. recital hall. The Choral, directed by James Benshoff, will be joined by the Pennsylvania Vocal Ensemble and June Miller, assistant professor of music and organist, in "Great Lord of Lords." by McCabe, who performed at Penn State last fall when he was in residence. The Vocal Ensemble, conducted by Bruce Trinkle, is composed of members of the University community and other area residents. It will perform several Hindemith compositions. The Choral will also play works by Bliss, Holmes, Tomasi, and Greig, as well as a composition by Arthur Goldstein, a master's candidate, titled "Je Ne Sais Quoi."

Antique quilts, selections from the collection of Miriam Tuska, of Lexington, Ky., will be on display in Gallery C of the Museum of Art May 12 to June 23. The 35 quilts show bold color, sophisticated geometric patterns, and simplified forms. Mrs. Tuska will give a gallery talk on the quilts as an art form Tuesday, May 21, at 10:30 a.m. in the Museum.

The first performance of an original piano composition by recent music graduate James Hughes will be given by Charles Metz in a recital Monday, May 13, at 8:30 p.m. in the Music Bldg. recital hall. Metz, who will also play works by Haydn, Beet-

hoven, and Alexander Scriabin, is a senior in music who was the 1973 recipient of the Atherton Memorial Award and Scholarship. After graduation, he plans to study with Igor Kipnis, the distinguished harpichordist and Baroque scholar.

Two Mother's Day programs, Sunday, May 12, will feature vocal and instrumental music. The first, at 2 p.m. in Room 1121 Kern, will involve seven faculty members and other area residents, Dr. D. Douglas Miller, John Hadden, Erin Headley, Nancy Hadden, James Hughes, Jill Olson, and William Thomas. They will play and sing 19th century parlor music, including music by Stephen Foster, Schumann, Duvernoy, and Von Weber.

The Penn State Glee Club will feature among the songs it will sing in Schuyl Auditorium beginning at 3 p.m., a new composition, "Hail! Oh Hail!" by Ray T. Fortunato, assistant vice president for personnel administration. The 45-voice chorus, conducted by Bruce Trinkle, will also sing four Pauline lauds, choruses for operas by Beethoven, Mussorgsky, Monteverdi, and von Weber, as well as folk songs.

Teri Vincent, soprano, and Marcus Chubbuck, pianist, both undergraduates in music, will give a joint recital Friday, May 17, at 8:30 p.m. in the Music Bldg. recital hall. Chubbuck will play works by Bartok, Robert Schumann, and Chopin. Miss Vincent will sing works by Handel, Mozart, Brahms, and Schumann, including "Die Lorelei blume." Pamela Wissinger will accompany.

Drugs subject of sports lecture

Dr. Daniel F. Hanley, Olympic Games physician and college physician at Bowdoin College, will lecture on "Health Challenges, Drugs and Athletic Performance" Tuesday, May 14, at 7:15 p.m. in Recreation Bldg. In his day-long visit to the campus he will also lecture to a Health Education class and a beginning athletic training course. A graduate of the Columbia University College of Physicians and Surgeons, he has been senior medical consultant to the U.S. Olympic men's and women's teams since 1960.

ATTENTION AIR FORCE RESERVE OFFICERS: The Air Force has established a Liaison Officer (LO) program, named by reserve officers, who on a part-time basis, act as counselors for AFROTC. In return for their time, these reservists receive "credit Air Force units and credits toward a reserve retirement. Each LO is assigned duty in a geographical area. The unit may be one or more counties in a state, and the Liaison Officer's duties are performed around their home area. Working in his assigned area, the AFROTC Liaison Officer is ready reference of information on AFROTC to the recruiting and training of potential recruits. Opportunities to secondary school and junior college students, their parents, youth groups, Civil Air Patrol units, Air Force Junior ROTC units and USAF recruiting detachments.

There are three personnel categories in the AFROTC Liaison Officer program: assigned, attached, and associate. Anyone interested in more information should write to: Capt. Carl Kilts, 109 Wagner Building, or call (614) 560-5455 or 5454.

NEWS—

(Continued from page one)

with weight problems. The tapes are copyrighted by Habit Control Inc. and distributed by Success Motivation Institute. The tapes were put on the dial access system in late April and in the first week were called by 159 persons. The two dial access numbers are 049 and 219; those interested may list at stations in Pollock Library, Undergraduate Library, Sparks, Rackley, Music, and Kern Bldgs., the HUB, Leete Hall, and Pinchot Hall. They are available for use by students, staff and faculty.

CHRISTIAN FELLOWSHIP PLAY

The play, "Christ in the Concrete City," by P. W. Turner, will be performed Thursday, May 9, at 8 p.m. in the HUB assembly room, by Inter-Varsity Christian Fellowship. Admission is free. The play deals with the reasons for the relevance to mankind to deal of Christ's death and resurrection. A cast of six—Mark Shaeffer, Lorraine Wilson, Mike Ciavola, Lorraine Davis, Don Painter and Bill Swallow—will perform the play, which conveys the message on three levels, historically, universally, and personally. The play will also be performed Monday, May 13, at 7 p.m. in the Helen Eaklin Eisenhower Chapel Lounge.

Staff vacancies

University faculty or staff members who are interested in any of the staff exempt or staff non-exempt jobs listed below may apply by calling Employment Division, 865-1387 (Network Line 475-5327). Do not contact the area having the vacancy. Applications will be accepted until: 5 p.m., May 16, 1974.

PRODUCTION MANAGER, UNIVERSITY ARTS SERVICES—University Park

Responsible for technical management of University Auditories; i.e., coordinate production requirements, equipment and personnel resources to function smoothly. University Auditorium facilities are defined as University Auditorium, Schwab Auditorium, and Recreation Bldg. when used for cultural and performing arts events and such other similar areas as may be designated in the future. Master's degree or equivalent in Technical Theatre with one to two years related experience.

APPLICATIONS ANALYST/PROGRAMMER, OFFICE OF BUDGET & PLANNING—University Park

Qualifications and direct execution of programming tasks; design logic for individual programs; prepare logic flow charts; translate system functions into procedure steps for programming; prepare program documentation; design data codes and files; participate in project organization and scheduling; define project schedule and test data requirements. In addition to test data scores; and responsible for providing programming direction and control within the specifications of the project schedule. Bachelor's degree, or equivalent plus two to three years programming experience.

THEATRE SYSTEMS ENGINEER, UNIVERSITY ARTS SERVICES—University Park

Responsible for planning, installing and maintaining all electronic and electrical sound and lighting equipment in University Auditorium facilities. Associate degree in Electrical Technology or Engineering or equivalent plus one to two years related experience.

PUBLIC INFORMATION & ALUMNI AFFAIRS OFFICER—Capitol Campus

Responsible for the implementation and operation of an effective Public Information and Alumni Affairs program. Keep area informed of life and work of campus, maintain effective working relationship with news media. Write and/or edit copy for catalogs, brochures and flyers, special events programs and advertising. Assist in maintaining communications between Penn State alumni association and Capitol Campus Alumni Association. Bachelor's degree in Journalism, English, Communication or equivalent plus three to four years related experience. Experience in mass communication desirable.

HOSPITALITY MANAGER/ENGINEER—Harsheny Medical Center

Responsible for management engineering duties in planning and overseeing utilization of hospital facilities and personnel. Bachelor's degree in industrial engineering or its equivalent, with professional certification plus four to seven years experience in industry or in a hospital.

COORDINATOR, VOLUNTEER SERVICE CENTER, STUDENT AFFAIRS—University Park

Responsible for coordinating the various activities of the Volunteer Service Center and administering the Program of Volunteer services. Teach a course with the College of Human Development, Division of Community Development on volunteer aspects of community service. Master's degree or equivalent preferably in Student Affairs, Social Work, or Student Personnel plus over one and one-half years of related experience.

COMPUTER SYSTEMS AIOE, APPLIED RESEARCH LABORATORY—University Park

Program small and medium sized general scientific problems and perform in-line coding with assembly language. Perform production scheduling, allocation of computer time, document, log and file programs and subroutines. A certificate of formal Data Processing and Programming instruction from an accredited institution equivalent to two years of training beyond high school, plus one to two years of related experience.

PENN STATE intercom

Volume 3, Number 35

May 16, 1974

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule



The opening performance of the Pittsburgh Symphony Orchestra and the University Choirs, with soloists Betty Allen, Phyllis Curtin, Seth McCoy, and Ara Berberian, was conducted by Dr. William Steinberg.

Conductor, audience praise it generously

Auditorium inaugural great success

Dr. William Steinberg, who has conducted symphony orchestras on many continents in many facilities over a span of 58 years, used a great many superlatives in describing his reaction to the new University Auditorium.

"You should be proud to have such a facility," Dr. Steinberg said. "The acoustics are first rate, and it is a beautiful auditorium."

In his conducting career, which began at the age of 17, Dr. Steinberg has been in many fine concert halls — and in gymnasiums like the University's Rec Hall. In many communities, he points out, the gymnasium is the only large gathering place, and so it was not an unusual experience for the Pittsburgh Symphony when it came to Rec Hall, year after year for the Artists Series. He had high praise for those who managed to improve the sound qualities of the gym by various means.

It was with obvious pleasure that the Orchestra, Dr. Steinberg, guest soloists Phyllis Curtin, Betty Allen, Seth McCoy, and Ara Berberian, and the University Choirs helped to inaugurate the 2600-seat Auditorium which has already found other uses, for Roman Catholic Masses last Sunday and a faculty convocation Monday.

As President Oswald said in remarks from the stage in the inaugural performances, "Now that this impressive facility is installed, we can proceed with further dreams, ideas, and plans within the building to make them real and vital forces in the life experience of the people."

Dean Walter H. Walters, College of Arts and Architecture, to whom major credit goes for "living with" the problems of building the facility from its conception to reality, said "The building is a kind of educational institution in itself, intended to preserve knowledge of the past and investigation of the new."

The auditorium, eight years in the making, will be one of the University's showplaces. The audiences will be impressed with both the beauty and the acoustical qualities, and the feeling of spaciousness. Not so evident at this point, but indicated in the program description, will be the utility of the auditorium, for theatre, music of all kinds, film, meetings, dance, and other occasions.

A few facts: the stage is 110 feet by 55 feet; the proscenium opening is 60 feet; the orchestra lift, hydraulically driven, is capable of taking the entire symphony orchestra from stage floor level to a depth of nearly 17 feet; lighting conditions can be changed by use of 1,100 potentiometers; acoustical conditions can be altered by motor-driven shutters and manually operated portals so that individuals or very large groups can be heard on every audience level.

Dr. Steinberg was obviously pleased with the sound qualities of the new auditorium as he experienced them, but he emphasized that as conductor he could not evaluate the concerts the Symphony gave from an aesthetic standpoint because he was surrounded by the sounds from the orchestra and the chorus.

The musicality of the University Choirs, which are directed by Raymond Brown, was superb, Dr. Steinberg declared, and he added that the chorus "invoked the spirit" of the Beethoven work in spite of singing in a language that few of them understood.

Before the Saturday performance, of which the University Choirs presented Dr. Steinberg with a bronze sculpture, "Hand," rendered by John A. Cook, professor of art, "with deep affection and appreciation for the many performances of the Symphony and the Choirs over the past number of years."

At the opening of the new University Auditorium, Dr. Walter H. Walters, dean of the College of Arts and Architecture, and President John W. Oswald, with Charles S. Dickler, of the architectural firm of Sanders and Bickler, who designed the Auditorium.

To enhance communication

Colleges, campuses elect ombudsmen

In the May 8, 1973 meeting of the University Faculty Senate, a report of the Faculty Rights and Responsibilities Committee included a recommendation that colleges and campuses should have a person or group to serve in the role of "ombudsman."

The list of ombudsmen, and alternates, is now complete and is given below.

"The objective," said the report, "would be to enhance communication and clarify possible misunderstandings in situations which involve potential disputes, to advise faculty members and administrators as to appropriate courses of action, and to help settle matters before they become hardened into serious disputes. The individual or group should be selected by procedures approved by a majority of the faculty in the unit."

(In the following list, the alternate's name is given after the ombudsman's.)

Allentown Campus — Jane Schooley, Peter Behrens.
Altoona — Valerie Stratton, Albert Corney.
Bever — Raymond Lumley, Lou Takahashi.
Behrend — Ernest Weckesser, Norman Patterson.
Berks — Russell A. Reed, Arthur R. Hill.
Capitol — Roger B. Saylor, Lloyd W. Woodruff.
Delaware County — Edward S. J. Tomaszko, Hilda P. Duncan.
DuBois — Merle U. Fox, Samuel A. King.
Fayette — David R. Anderson, Evelyn Hovance.
Hazleton — M. Leonard Sheeuel, Harold Aarand.
McKeesport — Nicholas Gavrilis, Robert Haesser and Richard Reynolds.
Mont Alto — Duane L. Thomas.

New Kensington — Robert E. Cernahan, Marshall Witchee.

Ogontz — Robert A. Bernal, Maylan C. Mills, and Ingeborg Schuster (all ombudsmen).

Schuylkill — James W. Beach, Robert J. Purdy, and Ronald Dietz (all ombudsmen).

Shenango Valley — Thodd Praelner, Frederick Leeds.

Wilkes-Barre — Robert L. Sobelino, Walter A. Sowa.

Worthington Scranton — Austin D. Hall, Robert S. Hyde.

York — Joseph F. Douglas, Leonard J. Berkowitz, Hershey Medical Center — Robert Greor, William Graham.

King of Prussia — Richard Llorens, Margaret Delzer.

AT UNIVERSITY PARK:

Agriculture — Frank Anthony, 113 Armsby; Donald Crider, 205B Weaver.

Arts and Architecture — George Zoritch, 302 Visual Arts; George Bouwman, 103 Arts.

Business Administration — John P. Coyle, 509L Business Administration; Arthur L. Williams, 509F B.A.

Earth and Mineral Sciences — Richard C. Bradt, 228A Min. Ind.

Education — John Withall, 220 Social Sciences; John J. Kitzky, 272 Chomce.

Engineering — Arnold Addison, Applied Science; George J. McMurry, 228 Elec. Eng. West.

Health, Physical Education and Recreation — Thomas Tai, 270 Rec Hall; John Goutills, 103 Rec Hall.

Human Development — Charles Taylor, 5102 Human Development; Harry S. Goblentz, 5126 H.D.

Liberal Arts — Robert W. Green, 812 Liberal Arts; Henry S. Altschul, N161 Burrows.

Science — Paul H. Culter, 538 Oovey Lab; Gerd M. Rosenbalt, 128B Dawey.

Library — Ronald Fillipelli, W342 Pattee; Allen Cohen, R566 Pattee.

Four nominated for Senate chairman

A University Faculty Senate Nominating Committee has named four persons as candidates for 1974-75 Senate chairman.

Nominated are Barnes W. McCormick, professor of aerospace engineering; Patricia M. Overder, associate professor of mathematics at the Ogontz Campus; Dan P. Silverman, associate professor of history; and Helen L. Snyder, associate professor of educational psychology.

Ronald W. Wietz, assistant professor of

biology at the Schuylkill Campus, and Sally S. Small, senior assistant librarian at the Berks Campus, have been nominated for vice chairman.

Nominees for secretary are John J. Cahir, assistant professor of meteorology, and John J. Coyle, professor of business administration.

Election is by mail ballot. The new officers will be installed at the July Senate meeting.

Arthur Miller drama, "Death of a Salesman," will run Aug. 2-10. A brochure containing ticket and other information will be available in early June.

GRADUATE ASSISTANTS

Advanced degree candidates who will be in their third or later term at Penn State during the Fall Term may wish to apply for assistantship grants-in-aid, says Dr. B. F. Howell, Jr., associate dean of the Graduate School. Although the deadline for regular applications has already passed, usually a few (8-10) are released by students awarded assistantships. The deadline for these few assistantships is July 15, 1974; application forms may be obtained at the Fellowship Office, Room 317 Kern.

ENVIRONMENT GRANT

The Worthington Scranton Campus of the University has received a grant of more than \$50,000 from the Appalachian Regional Commission for the purchase of autotutorial equipment. The project will enable the campus to purchase and operate an autotutorial learning laboratory and to purchase, review and develop autotutorial materials for associate degree program.

(Continued on page four)





Dr. William E. White, second from left, and Dr. Paul D. Simkins, hold copies of the certificate awarded sightlying they are the 1974 Matthew J. and Anne C. Wilson Outstanding Teachers in the College of Earth and Mineral Sciences. The awards were presented by Mrs. Wilson, at right, last Wednesday at the awards banquet of the College, which Dean Charles L. Hostler, left, presided over.

Simkins, White honored by EMS

Dr. Paul D. Simkins, professor of geography, and Dr. William E. White, professor of geochemistry, were awarded the 1974 Matthew J. and Anne C. Wilson Outstanding Teaching Awards of the College of Earth and Mineral Sciences at a student-faculty awards banquet May 7. Presentation of the honors was made by Mrs. Wilson.

The awards consist of \$1,000 and a plaque. They are made possible by a trust fund which was provided by the will of the late Matthew J. Wilson, a 1918 mining engineering graduate of the University of Holland, Mich., who died in 1963. His will also provided for the establishment of the Matthew J. Wilson, Jr. Trust Fund which provides for loans to deserving and needy full-time students in the College.

The recipients of the teaching awards are selected by the dean of the College from nominations and petitions submitted by students. Each of this year's recipients was nominated by both graduate and undergraduate students.

Dr. Simkins received his bachelor of arts

and master of arts degree from the University of Missouri and was awarded his doctor of philosophy degree by the University of Wisconsin in 1961. While working on his doctorate, he was an instructor at Southwest Missouri State College and served as a teaching and research assistant at the University of Wisconsin. He joined the Penn State staff as an assistant professor in 1959, became associate professor in 1964, and professor in 1971.

Dr. White received his bachelor of science degree in chemistry at Juniata College. Following graduate studies at the University of Pittsburgh, he came to Penn State where he received his doctor of philosophy degree in geochemistry in 1962. While in Pittsburgh, he worked as a research associate in chemical physics at the Mellon Institute. He served as a graduate and research assistant at Penn State while working on his doctorate and joined the staff as a research associate in 1962. He was named assistant professor of geochemistry in 1963, associate professor in 1967, and professor in 1972.



Dr. W. D. Horrocks

Dr. R. A. Bernheim

Dr. P. T. Baker

Three named Guggenheim Fellows

Dr. Paul T. Baker, professor of anthropology, Dr. Robert A. Bernheim, professor of chemistry, and Dr. William D. Horrocks, Jr., professor of chemistry, have been named Guggenheim Fellows for 1974.

They are among the 342 scholars, scientists and artists chosen by the committee of selection from among 2,668 applicants in the John Simon Guggenheim Foundation's fiftieth annual competition. The fellowships are awarded on the basis of demonstrated accomplishment in the past and promise for the future. In all, 113 colleges and universities are represented among the Fellows.

During the period of his fellowship, Dr. Baker plans to continue his work in human population biology. The first phase will include his work as coordinator of the International Biological Program, the presentation of papers in Europe and atten-

dance at a conference in India on high altitude studies of man, and the preparation of a book. Later, Dr. Baker will plan the development of a large-scale research program to study the biological impact of migration on man, a project that will take him to the Pacific and to South America.

Fundamental research on basic molecular structure will be continued by Dr. Bernheim at Stanford University and the University of Southampton, England. He expects to study the application of lasers to the detection of magnetic resonance in transient molecular species, especially using tunable dye lasers.

At Harvard University Medical School Dr. Horrocks will conduct research in the laboratory of Professor Bert L. Vallee in the Department of Biological Chemistry. He will continue his work on the use of paramagnetic metal ions as probes of structure and function in enzyme systems.

The Arts: three music programs

Dr. D. Douglas Miller, assistant professor of music, will conduct the University Symphony Orchestra in a concert of music by Mendelssohn, Schubert, and Mozart Saturday, May 18, at 8:30 p.m., in Schwab Auditorium. Flutist Nancy Hadden, instructor of music, and Linda Thomas, undergraduate

student and harpist, will be featured in Mozart's "Concerto for Flute and Harp." The orchestra will also play Schubert's Unfinished Symphony (No. 8 in B minor) and Mendelssohn's "Overture to Ruy Blas."

The Wind Ensemble, directed by Smith Toulson, assistant professor of music, will feature light music in its annual Pops Concert Sunday, May 19, at 3 p.m., in the Art Courtyard (Music Bldg. recital hall in case of rain). The "William Tell Overture," "Trumpeters Lullaby," marches, excerpts from "Porgy and Bess" and from Gilbert and Sullivan operettas, will please youngsters and adults alike.

New compositions by students in music will be performed in three sessions in the Music Bldg. recital hall Tuesday and Wednesday, May 21-22. Tuesday at 4 p.m., a concert of taped electronic music composed by five students will be featured. Evening concerts at 8:30 p.m. both days will consist of vocal and instrumental works performed by the Wind Ensemble, the Brass Orchestra, Alard String Quartet, Chamber Wind Quintet, Musica Camera and other music faculty and students. The works of 13 graduate and undergraduate students will be performed in this "Festival of New Music."

HONORS

Dr. Harold E. Dickson, professor emeritus of art history, will receive the ninth annual Lion's Paw Medal during annual class reunion weekend June 8. Dr. Dickson is widely known for his research on Pennsylvania art and for his efforts in popularizing the work of Pennsylvania artists. He was responsible two years ago for the University Museum of Art's premiere exhibit, "Masterworks by Pennsylvania Painters in Pennsylvania Collections," and during the centennial year of the University, 1955, he assembled an exhibit, "Pennsylvania Painters." Established in 1965 by the Lion's Paw Alumni Association, the Medal honors persons who have contributed notable service to the University and fostered its traditions.

Former Medal winners have been John Henry Frizzell, Robert A. Higgins, Robert W. Ostermayer, Sr., Burke M. Hermann, Joseph V. Paterno, Dr. Hummel Fishburn,

Ridge Riley, Robert E. Galbraith and Wilmer E. Kenworthy. Ostermayer was a 1954 Distinguished Alumnus; the others have been either faculty or staff members.

Dr. James R. McAdams, assistant professor of English, has been appointed a Fulbright-Hays Senior Lecturer for the next academic year and will lecture in English and American literature at the University of Jordan, in Amman.

Dr. Gordon F. De Jong, professor of sociology has been elected to the International Union for the Scientific Study of Population. Election is based on the publication of research that has received international recognition for its contribution to the field of demography. Dr. De Jong is associate director of Penn State's Population Issues Research Office.

IN WRITING

Dr. Stuart Patton, Evens Pugh Professor of Agriculture, has recently completed the manuscripts of a monograph entitled

"Lipid Metabolism and Membrane Functions of the Mammary Gland." He was selected in this endeavor by Dr. Robert G. Jensen of the Department of Nutritional Sciences, University of Connecticut. The book will be published in the fall by Pergamon Press, Oxford, England. The book is one of a series entitled, "Progress in the Chemistry of Fats and Other Lipids," edited by Dr. Ralph T. Holman. Dr. Patton plans to use the monograph as a text for a new course on biological and medical aspects of the mammary gland.

"Words For A Deaf Daughter," by Paul West, professor of English and comparative literature, first published in 1970 by Harper and Row and now in its sixth printing, was recently released in paperback form by Signet Books. The book was named by TIME magazine one of the Best of 1970, and West appeared on the NBC "Today" show to discuss it. A Penguin paperback edition was published in England last year.

Funding Opportunities

Instruction—Research—Continuing Education—Fellowships

For more information and funding source information, call 865-1372.

May 16, 1974

(129-1) The new NSF/RANN Program Environmental Effects of Energy, is organized to emphasize four major research fields. These are: *Pollutant Analysis* of pollutants existing from energy extraction, air, water and soil control; *Transport and Fate* — understand pollutant movements in space and time, degree of change, flux rates and environmental sinks; *Ecological Effects* — assess concentrations of pollutants in several levels of ecological organization; and *Environmental Management* — examine issues, analyze energy systems, determine trade-offs and demographic shifts, and assess costs of environmental controls and environmental quality. Program directors want to fund research into methods of minimizing the environmental impact of fuel extraction, energy generation, and fuel consumption. All unsolicited proposals received will be treated as preliminary to encourage a dialog between proposers and staff. Detailed information has been distributed. RANN guidelines are to be used for proposals and are available.

(129-2) The next two deadlines for National Endowment for the Humanities (NEH) Program Grants are July 1, 1974 and Jan. 1, 1975. Program grants support the development and implementation of humanities programs to meet specific curricular needs. The new program must have

teach and administrative support in all curricular areas affected by the grant and the program must continue in the permanent humanities curriculum after NEH funding has ended. Grants usually do not exceed \$100,000 for a three-year program. Eight percent of total costs is the maximum provided in the first fiscal year; thereafter, less money will be furnished. Indirect costs are supported. The program contact is: Dr. Roger Rosenblatt, Officer, Div. of Educ., NEH, Washington, O.C. 20506 (202)328-8981.

(129-3) The Exxon Education Foundation supports an IMPACT (Implementation of Materials and Procedures Affecting College Teaching) program through which information about educational innovations of demonstrated merit is disseminated to educational institutions for implementation. The Foundation selects the innovations of its choosing. Four innovations are currently supported: (1) guided design, (2) student-to-student counseling, (3) tips, and (4) expert sim. Details are available. Cost sharing is required. Grants do not usually exceed \$5,000 and operating expenses are not included. The next two deadlines are July 1, 1974 and Feb. 1, 1975. Detailed information is available. Program contact is: IMPACT Program, Exxon Education fnd., 111 W. 49th St., New York 10020 (212)974-2273.

(129-4) The National Science Foundation

(NSF) Instructional Improvement Implementation Program invites project proposals designed to implement major curriculum and course developments at the pre-college level in the natural and social sciences and mathematics. Emphasized will be mechanisms for implementation, including dissemination of curriculum changes focusing on familiarization with alternative curricula, training of resource teams, and installation in a school system. Proposals should describe elements of cooperation, coordination, and commitment among personnel and institutions involved. Proposals will be classified by types of implementation activities such as leadership specialist projects, teacher projects, or school system projects. Originality and diversity of projects is encouraged. Information about this program has been distributed. The closing date for applications is Aug. 1, 1974 (Ref. NSF/E-74-5).

(129-5) Danforth Foundation (222 S. Central Ave., St. Louis, Mo. 63105) will grant 3 or 5-year fellowships for 1975-76 to exceptionally qualified senior and recent graduates planning graduate study as preparation for a teaching career. Applicants must be nominated by the Graduate School and are evaluated on intellectual ability and breadth, teaching potential and evidence of a concern for the relations of ethical or religious values to disciplines, the educational process, and social and social responsibilities. Preference is given to humanities, arts, and social sciences students. Awards are \$2025/year plus tuition and fees, plus dependency allowance. GRE scores are required no later than the Oct. 26 examination (Oct. 8 registration deadline). A preliminary application including complete college transcripts,

three letters of recommendation, a vita, and a discussion of career and lifetime goals must be submitted to the Fellowship Office, 317 Kent Hall, University of Wisconsin, 480 Lincoln Drive, Madison, Wis. 53706. For further information contact the Fellowship Office or write to address given above. (May 2 INTERCOM 112-7-1.)

(129-6) Research Corporation (410 E. 6th St., Schuylar, 405 Lexington Ave., New York 10017) announces fellowships for 1975 in *Cytophenol* and *Agriculture Food Crops* for recent post-doctoral and graduate students. Application deadline is Nov. 1, 1974. Preliminary brief applications describing the nature and significance of the proposed research, a vita of the applicant, and where and with whom the research will be undertaken should be submitted well in advance of this deadline. If approved, formal application materials will be sent. For further information write to the address above.

REMINERS AND DEADLINE DATES

June 1 for several NIH Mental Health Programs (May 2 INTERCOM 112-7-1). June 1 for NIH Research Projects and Biotechnology Research (May 2 INTERCOM 112-7-2 and 12-7-4). June 1 for NIH Research and Demonstration Project (May 2 INTERCOM 112-7-3). June 1 for NIH ADAMHA programs (April 1 INTERCOM 112-7-4). June 1 for NIH Film/TV Grant Program (May 2 INTERCOM 112-7-5). June 1 for NIH Research Grants (March 21 INTERCOM 112-7-6). June 1 for NEA Media Studies Program (April 25 INTERCOM 112-7-7). June 1 for NEH Senior Fellowship Program (March 14 INTERCOM 112-7-8). June 1 for NEA Public Education and Awareness projects (May 9 INTERCOM 112-8-3).

University Park Calendar

May 16-26, 1974

Special Events

Thursday, May 16 — Department of Theatre and Film, "Special Student Film Show," 7:30 p.m., Room 112 Kern.
Thursday, May 16 — Oliver LaGrone gallery talk and demonstration, noon, lobby of Kern. Lecture 7:30 p.m., Room 101 Kern, on "Shattering Myths — Light from the Dark Continent."
Thursday, May 16 — Hillie, 8 p.m., HUB reading room. Dr. Wickersham on "Human Sexuality As a Total Health Entity."
Thursday-Saturday, May 16-18 — Interdisciplinary Theatre in Concert, Playhouse Theatre.
Thursday-Saturday, May 16-18 — Interdisciplinary Colloquium on "Romanticism." Kellier Conference Center, Thursday, 3 p.m., Geoffrey Hartman, Yale University, 3 p.m., Richard R. Niebuhr, Harvard University, 8 p.m., Henry Peyre,

CUNY. Friday, 10 a.m., George Levline, University of Maryland; 3 p.m., Judith N. Shklar, Harvard University. Saturday, 10 a.m., Otto Poggepeter, Ruhr University, 3 p.m., Panel Discussion.
Friday, May 17 — Marcus Chubbuck, piano, and Teri Vincent, vocal, 8:30 p.m., Music Bldg. recital hall.
Friday, May 17 — Interdisciplinary Colloquium, Penn State Theatre group in a "Reading on the Theme of Science," 8 p.m., Kellier Conference Center auditorium.
Friday, May 17 — Sports: Men's track, Penn State Open Invitational.
Friday, May 17 — Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.
Saturday, May 18 — PSU Symphony Orchestra, 8:30 p.m., Schwab.
Saturday, May 18 — Sports: Men's baseball, vs. Mansfield, 1 p.m. Rugby, vs. Blackthorn.

Sunday, May 19 — Penn State Wind Ensemble Pops Concert, 3 p.m., Arts Courtyard.
Sunday, May 19 — Chapel Service, 11 a.m., Eisenhower Chapel. Rev. Hays Rockwell, Colgate-Rochester Divinity School, Rochester.
Sunday, May 19 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.
Monday, May 20 — Paul Ferrone, piano recital, 8:30 p.m., Music Bldg. recital hall.
Tuesday-Wednesday, May 21-22 — Penn State Players performance of "Old Times," 8 p.m., 8 p.m. A Festival of New Music, Electronic Music, 4 p.m., Music Bldg. recital hall.
Tuesday-Wednesday, May 21-22 — A Festival of New Music, vocal and instrumental, 8:30 p.m., Music Bldg. recital hall.
Friday-Sunday, May 24-26 — Penn State Springboard and Tower Divining Clinic.

Lectures

Thursday-Friday, May 16-17 — Dr. Yi-Fu Tuan, University of Minnesota, 4 p.m. both days; Thursday in the Chapel Lounge, on "Space and Place" and Friday Room 173 Willard, on "Place."
Thursday, May 16 — Speech Communication, 8 p.m., Room 265 Willard, Dr. Alvin M. Liberman, University of Connecticut, on "Speech and Language."

Films

Thursday-Friday, May 16-17 — Videotape Network documentary, "Millhouse," sponsored by HUB board. Afternoon, Kern.
Monday, May 20 — Graduate Commons American Film Series by Alistair Cooke, "America: Gone West," 12:05 p.m., Room 112 Kern. Also HUB assembly room, 2:15 p.m.

Seminars

Thursday, May 16 — Chemistry, 12:45 p.m., Room 310 Whitmore. Robert E. Sievers, Aerospace Research Laboratories, Wright-Patterson Air Force Base, on "Gas Chromatographic and Nuclear Magnetic Resonance Studies of Metal Complexes."
Thursday, May 16 — Agronomy, 3:30 p.m., Room 111 Tyson. D. Wehner on "Isoenzymes and Varietal Identification."
Thursday, May 16 — Engineering Acoustics, 4 p.m., Room 71 Willard, Geoffrey L. Wilson, A.R.L., on "The Measurement of the Bulk Modulus Loss Factor of Small Solid Specimens."
Thursday, May 16 — Urban Transportation and Air Pollution Control, 2:20 p.m., Room 112 Kern. Robert McManus, Department of Transportation, Washington, on "The Future of Urban Mass Transportation."
Thursday, May 16 — Anthropology, 3 p.m., Room 107 Social Science Bldg. James Hatch, on "Social Dimensions of Prehistoric Mortuary Practices: A Progress Report."
Thursday, May 16 — AIAA, Central Pennsylvania Section, 4 p.m., Room 232 Hammond. John Pacey, Manager, Space Sys-

tems Requirements, Vought Systems Division, LTV Aerospace, Dayton, Ohio, on "The Scout Launch Vehicle System."
Thursday, May 16 — Statistics, 4 p.m., Room 169 Willard. James M. Landwehr, Bell Laboratories, Murray Hill, N.J., on "Approximate Confidence Regions from Cluster Analysis."
Thursday, May 16 — Physics, 3:45 p.m., Room 119 Osmond. Michael E. Fisher, Cornell University, on "Critical Points and Their Exponents."
Friday, May 17 — Analytical Chemistry, 11:10 a.m., Room 333 Whitmore. George W. Goodlee on "Column Selection in Liquid Chromatography."
Friday, May 17 — Biological Health, 8 p.m., Room S-205 Human Development. Dr. C. West Churchman, business administration, University of California at Berkeley, on "Ecologic Perspectives on Health and Society."
Friday, May 17 — "Arts Management," conducted by Frederic Vogel, Foundation for the Extension and Development for the American Professional Theatre, 10 a.m. and 2 p.m., Playhouse Gallery.
Monday, May 20 — Two Cultures Dialogues, 12:30 p.m., Room 169 Materials

Research Lab. Andrew Mitchell, business administration, and Richard Barton, on "Value Considerations in Communication and Media Education."
Monday, May 20 — Genetics, 3:55 p.m., Room 111 Tyson. Miss Sharon Ventura, biology, on "Genetic Analysis of the Selling Phenomenon in the Myxomycete, 'Didymium iridis.'"
Monday, May 20 — Microbiology, 2:30 p.m., Room 250 North Frear. Dr. Maurice Stroun, Pavillon des Isotopes, Geneva, on "Circulating DNA."
Monday, May 20 — Inter-Science, 4 p.m., Room 310 Whitmore. Dr. David Usher, chemistry, Cornell University, on "Model Studies of Enzymic Reactions."
Monday, May 20 — New Communities, 2 p.m., Room 322 Sackett. Dr. Gordon F. DeJong, sociology, on "Residential Preferences and Potential Residence of New Communities."
Monday, May 20 — Plant Pathology, 9:45 a.m., Room 213 Buckhout. Dr. T. O. Diener, Research Plant Pathologist, U.S.D.A., Northeastern Region, Agricultural Research Center, Beltsville, Maryland, on "Recent Viroid Research."
Tuesday, May 21 — Statistics, 4 p.m., Room 169 Willard. Lawrence S. Mayer, Virginia

Polytechnic Institute, on "Exploring the Relationships between Abstract Variables."
Tuesday, May 21 — Microbiology, 4 p.m., Room 52 Frear. M. Weinberger, on "Plasmid Coded Utilization of 2-Hydroxyxypiridine by *Arthrobacter* crystallophilus".
Tuesday, May 21 — Ceramic Science, 11 a.m., Room 301 Mineral Industries. Dr. Paul Becher, Naval Research Lab., on "Hot-working and Strengthening of the Alkali Halides."
Tuesday, May 21 — Environmental Pollution Control and Solid Waste Management, 2:20 p.m., Room 140 Fenske. Robert Louis Adams, Office Economic Analysis, U.S. Bureau of Mines, on "Economics of Metals Recycling."
Wednesday, May 22 — Animal Nutrition and Nutrition, 3:55 p.m., Room 111 Animal Industries. General discussion and summary by J. Mendez, Laboratory for Human Performance.
Wednesday, May 22 — Biochemistry, 4 p.m., Room 101 Altohouse. David Spelcher on "Enzymatic Composition of Crude Trypsin and the Enzyme Requirements for Dissociation of Rat Heart Tissue."

WPSX highlights

The politics of landmark architecture is the subject of "Who Built This Place," an award winning comedy documentary Saturday, May 18, at 7:30 p.m. on Channel 3. The half-hour program shows how "landmark" buildings really get built by illustrating four different building projects: Boston's new city hall, the Transamerica Pyramid in San Francisco, an unconventional bank building in Atlanta, and the new Dallas city hall.
Fusion reactors, a source of energy that would use cheap, non-polluting sea water as fuel, is the subject of an hour-long "Nova" program, Saturday, May 19, at 7:30 p.m. on WPSX-TV. The program focuses on the nuclear fusion race among the Russians, English, and Americans. Appearing on the program are American and European scientists involved in fusion research.
Abstract-expressionist painter Sam Francis, who rarely talks about his work and who dislikes being photographed, is the subject of "Sam Francis: These are My Footprints" on "The PBS Special of the Week," Wednesday, May 20, at 9:00 p.m. on Channel 3.
Members of Cincinnati's Playhouse in Eden Park are featured when "Theatre in Eden Park" presents "Monkey, Monkey, Bottle of Beer, How Many Monkeys Have We Here?" Wednesday, May 22, at 8:30 p.m. on Channel 3. The play is a psychological drama about an unusual medical experiment and features an almost exclusively female cast.
"Health Care in America" is the subject of a round-table discussion on "The Open Mind" Wednesday at 10:00 p.m. on Channel 3. Lead-off speakers are Sen. Edward Kennedy of Massachusetts and Dr. Malcolm D. Todd, president-elect of the American Medical Association, who explain their positions on how to finance medical services. Their ideas are further discussed by Dr. John M. Knowles, president of the Rockefeller Foundation, and Dr. Louis Lasagna, chairman of the Department of Pharmacology and Toxicology at the University of Rochester. The discussion centers around the quantity vs. quality dilemma facing medicine in a democracy.

Meetings

Thursday, May 16 — College of Engineering faculty, 4 p.m., Room 26 Mineral Sciences.
Tuesday, May 21 — Graduate faculty, 3 p.m., Room 112 Kern.
Mondays — O.T.I.S., 8:30 p.m., Room 203 HUB.
Thursdays — Hetzel Union Board, 7 p.m., Room 206 HUB.
Sundays — U.S.G. Supreme Court, 7:30 p.m., Room 203 HUB.

Exhibits

Museum of Art — Quilts, opening May 19, Gallery B.
Zoiler Gallery — Annual Juried Student Show, until May 25.
Hammond Gallery — Studies in Visual Communication, until May 25.
Chambers Gallery — John Wahling, Textiles. Jenny Floch, Ceramics.
Kern Gallery — Oliver LaGrone, Sculpture, until May 19. Craig G. Myers, Oil Paintings, opening May 18. Patty Carroll, B&W Photographs, opening May 26.

Official

Monday-Friday, May 20-24 — Preregistration for Fall Term, for those not attending Summer Term.
Wednesday, May 22 — Last day for signing Emergency Loans for Spring Term.
Wednesday, May 22 — Classes end, 12:25 p.m.
Thursday-Saturday — May 23-25 — Final examinations.

Jazz dance

Jazz Dance Theatre in Concert is currently the Playhouse Theatre feature, with performances through Saturday.
Jean Sabatine, director-choreographer, has dancers from Chicago, Michigan, New York, Pennsylvania and Trinidad in her company, one of the few dance companies devoting its efforts to jazz dance.
In debut in these performances is a work combining contemporary jazz styles with the elegant Tudor court dances of the sixteenth century, "Anne Boleyn," which presents a new approach to the second wife of Henry VIII.
A five-part study, "Loneliness," is one of the featured dances also, a dramatic look at the ordinary fears and isolation of common people. "Family Tree," on the other hand, is a lively review of old social dances, from the Charleston to the Penguin. "Njamba" is a blend of ballet and modern, in the style of primitive dance.
Jean is the author of a book and a number of articles on jazz dance, and her work has appeared on television throughout the country.



Jazz Dance Theatre in Concert, at Playhouse Theatre, through Saturday, May 18.

Fountain installed in Arts court



George Tsutakawa, who designed the new fountain in the Arts Courtyard, at the moment the sculpture was "activated."

Installation of a fountain by the sculptor, George Tsutakawa, of Seattle, Wash., in the reflecting pool of the Alumni Arts Court on the University Park campus has been completed.

The fountain, described by the sculptor as "a totemic arrangement of three open-faced spheres," is made of solid bronze with antique black finish. It stands 9 feet high, including the base, and weighs 800 pounds.

Tsutakawa, sculptor and painter, is a professor of art at the University of Washington. He has been commissioned to provide sculptures, especially fountains, for public buildings and parks throughout the United States, and his works, for which he has received numerous awards, have been exhibited in this country and in Europe, Asia, and South America.

The Court and the fountain were made possible through unrestricted gifts from alumni and friends of the University through the Penn State Foundation. The reflecting pool was given by Samuel Whitman of Ithaca, N.Y., a 1914 graduate, in memory of his wife.

NEWS—

(Continued from page one)

grams. It will provide an autolateral learning laboratory with 24 complete learning stations and four auxiliary stations with a capacity for 400 students. Cost of the project is \$70,000, with \$52,500 being provided by the Appalachian grant and \$17,500 by local sources. Dr. Robert W. Naismith, assistant professor of biology at the campus, is project director.

CAPITOL FOLK FESTIVAL

A country/western, folk, jazz and rock music festival will be held at the Capitol Campus Saturday, May 16, with no admission and parking charge. The program, which began two years ago as the Harrisburg Rock Festival, is sponsored by Good People Productions.

MATHEMATICS CONFERENCE

A conference on Eulerian Series and Applications, which will have an international group of speakers in the mathematics field, is convening today (May 16) through Saturday. Dr. George E. Andrews, professor of mathematics, is directing the conference in which he and Dr. Nathan Fine, professor of mathematics, will be among those presenting papers. Dr. Arun Verma, currently visiting the department here from Luknow University, India, will also speak.

SPACE, PLACE

Three "conversations" by Dr. Yi-Fu Tuan, professor of geography at the University of Minnesota and editor of "Annals," are being given this week sponsored by the Department of Geography. The first given last night (Wednesday) was titled "Space,"

and the talk today at 4 p.m. in the Helen Eakin Eisenhower Chapel Lounge is titled "Space and Place." The concluding talk tomorrow (Friday) at 4 p.m. in Room 173 Willard, is on "Place." The speaker is author of "Topophilia: A Study of Environmental Perception, Attitudes and Values."

VISITOR

Dr. F. D. Tamas, associate professor of silicate chemistry, Veszprem University, Hungary, is spending three weeks at the University in work associated with that of Prof. D. M. Roy in the Materials Research Laboratory. The joint research program is an outgrowth of Dr. Roy's studies on generation of very high strength in cement, and will incorporate Dr. Tamas' studies of chemical processes in cement hardening. Research will be conducted under the sponsorship of a new United States-Hungary Cooperative Science Program.

SCRANTON MEETING

Two faculty members at the Worthington Scranton Campus have been cited for their role in the statewide meeting of the Junior Academy of Science hosted by the campus April 25-27 at Mt. Airy Lodge, Mt. Pocono. In his capacity as chairman of the Advisory Board of Region II of the Academy, Dr. Robert W. Naismith, assistant professor of biology, arranged the meeting and served as master of ceremonies at the awards banquet. Dr. Lawrence B. Golden, assistant professor of physics, was responsible for obtaining and supervising judges for the meeting at which more than 1,000 junior and senior high school students from throughout the state presented papers.

Military training duty leave

This is the time of year when military reservists and National Guard members may be making requests for leaves of absence for annual military training duty.

The University, in accordance with the law, grants leaves of absence without salary for annual training duty, regardless of an individual's length of regular University service. In addition, University policy provides that if a regular faculty member or employee has six months of regular University service prior to the date of the requested leave, the leave is granted according to the provisions of PS-20 (Leave of Absence for Annual Military Training Duty).

PS-20 provides that a regular faculty or staff member on a 12-month basis, whose military base pay is less than his or her University salary would be for the same calendar period, will be paid the difference by the University for a period of active duty of at least seven calendar days up to a maximum of fifteen calendar days, upon request by the faculty or staff member.

If a faculty or staff member may be expected to charge the ENTIRE period of training to accumulated vacation. In such instances, the individual continues to receive full salary from the University.

Fishburn to be feted June 7

Area residents are being invited to join University alumni in "Evening of Fun with Hoot," a special tribute to Dr. Hummel Fishburn, professor emeritus and former head of the Department of Music and Music Education at the University, who has been associated with musical activities at Penn State for more than 50 years.

The event, which is being planned by a group of former students and friends of Dr. Fishburn, will be held Friday, June 7, at the State College Elks Country Club.

Boalsburg, as a special activity of the University's Alumni Class Reunion week-end. It will open with a social hour at 6:30 p.m., followed by dinner at 7:30 p.m.

Musical numbers, skills, and reminiscences, all related to the honored guest's long association with both the town and the University, will be featured in the program.

Tickets for the event may be purchased at the Music Mart in State College or the Alumni Office, Room 105 Old Main.

Fraternity installed at Hazleton

A milestone in Commonwealth Campus history was reached on Saturday, March 16, with the installation at Hazleton Campus of the Psi Pi chapter of Alpha Phi Omega Fraternity, first national service fraternity to establish a chapter at a Commonwealth Campus.

The installation ceremony was performed by members of the Muhlenberg chapter of Alpha Phi Omega. Present at the dinner held after the ceremony were John Zuk,

at Hazleton

sectional representative of the fraternity, Warren Weidman, regional chairman and national representative; and Dr. William David, campus director, who accepted the chapter on behalf of the University.

Installed were the following officers and advisors: Anthony See, president, David Wolf, vice-president, Mark Butler, treasurer. Dr. Joseph Dandois, historian, and advisors Dean Joseph McCallus, Karl Krone, Dr. Dandois, and Everett Binn.

Engineering gives an alumni award

Charles W. Yoder, head of a Milwaukee, Wis., engineering consulting firm and president of the American Society of Civil Engineers, has been named the 1974 Outstanding Alumnus of the College of Engineering. He will receive a certificate at the College's annual Honors Day luncheon today (Thursday, May 16).

The award, which was established eight years ago, is given to an engineering graduate who has contributed significantly to his field of work.

A 1932 civil engineering graduate, Yoder, a Pointon native, worked for Bethlehem Steel Co. earlier in his career, and later served for three years in the U.S. Army Corps of Engineers as an assistant engineer in the Office of Chief of Engineers.

Equestrian Club has horse show

Members of the Equestrian Division of the Penn State Outing Club and the Women's Auxiliary to the Centre County Medical Society are co-sponsoring the Penn State Horse Show, which will be held Saturday, May 25th starting at 9 a.m. at Capriola Stables on Whitehall Road.

Eighty percent of the proceeds of the Show will benefit the Auxiliary's Health Careers Scholarship Fund, which last year gave six scholarships to Centre County youths, to help them in pursuing their training in some allied field of medicine. Mr. Myron Sevik and Mrs. Nicholas Palmer are co-chairmen on behalf of the Medical Auxiliary and Judy Sterling is chairman representing the Equestrian Division.

The Show, which is being held for its fourth consecutive year, is expected to draw entries from Pennsylvania and neighboring states. The Auxiliary will be serving refreshments. There is no admission charge for spectators.

Student film show

Pet Anderson, left, and Kevin Myers, two students in film production classes taught by George Bowman, prepare to shoot a scene for a class project. A two-hour showing of similar film, from brief two-minute productions to 10-minute films, will be shown today (Thursday, May 16) starting at 7:30 p.m. in Room 112 Kern. The students handle all aspects of their films, from concept to print. Some are documentaries, some are short stories or on any other subject. Only the best from the year's productions (since last summer) in beginning and advanced classes, will be shown. There is no admission charge. (Photo by Steve McCurry.)



Staff vacancies

University faculty or staff members who are interested in any of the staff exempt or faculty non-exempt jobs listed below may apply by calling Employment Division, 865-1387 (Network Line 475-1387). Do not contact the area having the vacancy. Applications will be accepted until: 5 p.m., May 30, 1974.

CHEST PHYSIOTHERAPIST — Hershey Medical Center

Responsible for conducting in-service programs in chest physiotherapy as well as treating patients who have special pulmonary problems. Three years of training in an accredited school of physiotherapy plus two to three years related experience in a clinical hospital and completion of the American registration of inhalation therapist examinations.

MANAGEMENT TRAINEE, OFFICE OF PHYSICAL PLANT — University Park
Responsible for assistance in a wide variety of administrative and management duties, working within a structured program toward the overall goal of obtaining well-rounded management experience in all areas assigned within the Office of Physical Plant. At the completion of training, incumbent may move into a permanent management position within the Office of Physical Plant, if such is available, or will terminate employment with the Office of Physical Plant. No

permanent assignment is guaranteed. Bachelor's degree in Business Administration or related field. Some work experience preferred. However, position is an entering level in the field of management.

PHYSICS DEMONSTRATION SPECIALIST, SCIENCE — University Park

Responsible to design, construct, and test various demonstration devices for faculty members to use in their teaching. Associate's degree or equivalent in electrical engineering, or physics plus two or three years experience in the maintenance and operation of electronic devices and equipment. Familiarity with instructional media, audio-visual aids, etc. is desirable.

EDITORIAL ASSISTANT, DIVISION OF UNDERGRADUATE STUDIES — University Park

Responsible for assistance in the writing and editing of various Instructional and informative publications and reports. Assist with the collection, maintenance and reporting of information pertinent to several areas of the Division's responsibility. Bachelor's degree or equivalent in English, journalism or related area plus six to nine months related experience.

MANAGER, HOUSING AND FOOD SERVICE — Commonwealth Campus

Responsible for the operation of Housing and Food Services at the Commonwealth Campus to which assigned. Bachelor's degree or equivalent plus two to three years related experience.

Dog show aids scholarship fund

Hundreds of purebred dogs and their handlers will compete in the annual Nee Nee Kennel Club match at the Ice Pavilion on Sunday, May 19.

Classes in conformation and obedience will be offered, with registration from 10:00 to 12:45 Sunday morning, and a Parade of Champions scheduled for 1:00 p.m. Judging will begin at 1:30 p.m.

Conformation classes will be for puppies from 6 to 9 and 10 to 12 months, American bred, and open dogs, divided by sex, and obedience competition will be held at 1:30 p.m. Novice, open, and utility levels.

Judges representing a five-state, will award trophies and ribbons, with a Best of Breed winner for each breed chosen from conformation class winners. Dog judging and the awarding of Best Dog in Match will culminate the afternoon's competition.

The Shigley Memorial Scholarship for veterinary science at the University benefits annually from match proceeds. Entry fees are \$2.00; general admission is 50 cents. The public is invited to attend.

PENN STATE intercom

Volume 3, Number 36

May 23, 1974

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

Commencement listed at 21 campuses

Twenty-one Commencement programs will be held by the University between May 24 and June 8. The number of degree candidates listed is approximate at this time.

FRIDAY, MAY 24:

Hazleton Campus, 7:30 p.m. outdoors on campus. Kenneth L. Holderman, vice president for Commonwealth Campuses, will speak. Forty-three degree candidates.

SATURDAY, MAY 25:

The Milton S. Hershey Medical Center, 10:00 a.m. in Founders Hall of The Milton S. Hershey School. Dr. John W. Oswald, president of the University, speaker. Sixty-three candidates for medical degrees and eight for graduate degrees.

SUNDAY, MAY 26:

Behrend College, 2 p.m. in Erie Hall. Speaker is Dr. Robert O. Chapman, former Behrend student and an official in the NASA program at Goddard Space Flight Center. Ninety-one associate and bachelor degree candidates and four candidates for master of engineering degrees.

Schuylkill Campus, 2 p.m. in the Field House. Speaker is Dr. James Delli, president of the Schuylkill Campus Faculty Organization. Thirty-one degree candidates.

THURSDAY, MAY 30:

Opotiski Campus, 7:30 p.m. in Lares Bldg. Dr. Fred Humphrey, head of the Department of Health, Physical Education and Recreation at Temple University, will speak. Forty degree candidates.

FRIDAY, MAY 31:

DuBois Campus, 2 p.m. in the Multi-Purpose Bldg. Dr. Eugene J. Kelley, dean of the College of Business Administration, will speak. Fifty-four degree candidates.

York Campus, 8 p.m. in the gymnasium. Vice President Kenneth L. Holderman will speak. Forty-to-degree candidates.

SATURDAY, JUNE 1:

McKeesport Campus, 10 a.m., Buck Union Bldg. Speaker is Vice President Kenneth L. Holderman. Thirty-five degree candidates.

Berks Campus, 10:30 a.m. in the Community-Student Learning Center. Judge Frederick Edenharter, of the Berks County Court of Common Pleas, will speak. A total of 125 degree candidates.

University Park Campus, 10:30 a.m. in Beaver Stadium. Speaker: Former Governor William Scranton. A total of 4,438 degree candidates.

Delaware County Campus, 11 a.m. Speaker is Bill Kuster, KYW-TV ecology editor and weatherman. Thirty-five degree candidates.

Mont Alto Campus, 11 a.m., outdoors on campus. U.S. Rep. E. G. (Bud) Shuster will speak. A total of 107 degree candidates.

Wilkes-Barre Campus, 2 p.m. outdoors on campus. U.S. Rep. Daniel J. Flood will speak. Approximately 100 degrees.

Worthington Scranton Campus, 8 p.m. in the physical education — multipurpose building. Speaker is State Sen. Robert J. Mellow. Approximately 100 degrees.

SUNDAY, JUNE 2:

Shenango Valley Campus, 1:30 p.m. in the auditorium. Dr. Robert G. Quinn, dean of academic instruction for Commonwealth Campuses, will speak. Forty-eight degree candidates.

Altoona Campus, 2 p.m. in Adler Gymnasium. Vice President Holderman will speak. Approximately 175 degree candidates.

Beaver Campus, 2 p.m. in the Gymnasium. The Hon. John N. Sawyer, president judge of the Beaver County Court of Common Pleas, will speak. A total of 77 degree candidates.

Fayette Campus, 2 p.m. at Conneltsville Area High School auditorium. Miss Carol Dezort, a Fayette Campus student, will speak. A total of 92 degree candidates.

New Kensington Campus, 2 p.m. in the Little Theatre on campus. Speaker is John S. Modler, an executive vice president of The Union Corp. A total of 74 degree candidates.

Allentown Campus, 3 p.m. in First Presbyterian Church, Allentown. Fifteen degree candidates.

SATURDAY, JUNE 8:

Capitol Campus, 11 a.m., outdoors on campus; 1 p.m. in Hershey Community Theatre in case of rain. Speaker is Dr. Thomas J. Knight, associate professor of social science and history. Total of 586 degree candidates, including 532 baccalaureate and 54 master's degree candidates.

Tomezsko gains Delaware honor



Dr. E. S. J. Tomezsko

Dr. Edward S. J. Tomezsko, associate professor of chemistry, has been named the outstanding teacher of the year at the Delaware County Campus.

Dr. Tomezsko was selected from among 43 eligible full-time faculty members at the campus by a special committee composed of past winners of the award. The committee polled students, faculty, and administrators in their determination of this year's recipient. The annual award was initiated in 1972.

Dr. Tomezsko holds a B.S. in chemistry from Villanova University, and an M.S. in fuel technology and a Ph.D. in chemistry from Penn State. He is a former senior research analyst at Atlantic Richfield Company, and joined the campus faculty in 1971.

Tomezsko was cited for his "excellent teaching, high standards and concern for students, and his outstanding contributions to all aspects of campus life." He received a monetary award and an engraved plaque.

News in brief

EDUCATION VACATIONS

Across the nation there is a developing trend for entire families to take a summer vacation by going to college together. Penn State's version of such a program will be held July 29 to Aug. 2 at the Mont Alto Campus when vacation workshops on a variety of themes will be offered to individuals or families living on the campus.

The workshops will be on Civil War history, Families and Crafts, and Nature Study. Complete information will be provided by Clyde J. Johnson, assistant director for Continuing Education at the Mont Alto Campus (Mont Alto, Pa., 17237, phone 717-749-3134). The workshops are a continuing education service of the Colleges of the Liberal Arts, Education and Science.

HUB FOOD SERVICE

As a special service, the HUB will provide food service for both breakfast and lunch Saturday, June 1, Commencement Day. The Terrace Room will be open from 8 a.m. through 1:15 p.m.

In the period between terms, with that exception, the Terrace Room will be closed after the evening meal Friday, May 25 and remain closed until lunch Sunday, June 9. The Lion's Den snack bar will close Friday, May 24, at 7 p.m. and reopen Monday, June 10, at 7 a.m.

HERSHEY MILESTONE

The 200th physician will be graduated by the College of Medicine at commencement

(Continued on page two)

Calendar

SPECIAL EVENTS

Friday-Sunday, May 24-26 — Penn State Springboard and Tower Diving Clinic.

Saturday, June 1 — Spring Term Commencement, 10:30 a.m., Beaver Stadium. In case of rain, ceremonies at 10:30 a.m. and 2:30 p.m., in Rec Hall. University Auditorium, and Schwab Auditorium (not at 2:30).

Saturday, June 1 — ROTC Commissioning, 8 a.m., Music Bldg. recital hall. Commencement speaker, Dr. Robert E. Dunham, Vice President for Undergraduate Studies.

SEMINARS

Thursday, May 23 — Biophysics, 4 p.m., Room 517 Life Sciences. Robert Honess, University of Chicago, on "Syntheses and Post-synthetic Processing of Herpesvirus Proteins."

Friday, May 24 — Electrical Engineering, 11 a.m., Room 329 Electrical Engineering East. D. R. Alrey, Central Electricity Generating Board, Marchwood Engineering Laboratories, England, on "Electricity Generation and Transmission Research at Marchwood."

LECTURE

Thursday, May 23 — Man-Environment Relations, 4 p.m., Room S131 Human Development. Dr. Amos Rapoport, School of Architecture, University of Wisconsin-Milwaukee, on "Developing Theories of Man-Environment Relations."

EXHIBITS

Museum of Art — Gallery A, Selections from the Permanent Collection; Gallery C, Quilts.

Zoller Gallery — Annual Juried Student Art Show.

Hammond Gallery — Studies in Visual Communication, through May 24.

Kerr Gallery — Florence Puttermar, abstract prints, through May 25. Craig G. Myers, oil paintings, through June 1. Patty Carroll, B&W photographs.

At University Park

Scranton is commencement speaker

Former Governor William W. Scranton will deliver the commencement address at the University Park Campus at 10:30 a.m. on Saturday, June 1.

"It is a particular pleasure to announce that Governor Scranton will be the commencement speaker," University President John W. Oswald said Monday.

"During his service as Governor, Mr. Scranton showed a special concern for the development of public higher education in the Commonwealth. Since leaving public office, he has contributed significantly to the development of higher education on the national level. I know of no private citizen who devotes more of his energies to public service or who serves the public interest more effectively."

Following the serious campus disruptions in the spring of 1970, Mr. Scranton was appointed by President Nixon to head a national commission to explore the causes of campus violence and to recommend ways of resolution.

For the past several years, Mr. Scranton has served as a member of the Carnegie Commission for the study of higher education. This group has made several landmark studies that form much of the framework for present planning for higher educational development.

Mr. Scranton is a graduate of Yale University and the Yale Law School. He began public service as a special assistant to the then Secretary of State, Christian A. Herter.

Prior to being inaugurated Governor in January, 1965, he served one term in Congress as a representative of Pennsylvania's Tenth District.

More than 4,400 students will receive degrees at the University Park Campus commencement ceremonies, scheduled for Beaver Stadium. Included are 3,704 candidates for baccalaureate degrees, 604 for master's degrees, and 130 for doctorates. The University holds four commencement services annually.

At 62, under certain conditions

SS benefits for idle summer period

University employees age 62 or older who will not be working during the summer months may qualify for social security benefits for one or more of the summer months provided certain conditions are met, according to John V. Pezzoni, Director of Personnel Services. This provision of the Federal Social Security Act covers situations such as faculty and staff members whose contracts do not require service during the summer term or other employees placed on summer layoff. An employee does not have to be retired to qualify and may still be receiving salary payments. All employees age 62 and over who will not be working during the summer may wish to contact their closest social security office to determine whether or not they qualify.

HONORS

Dr. Edwin L. Herr, professor and head of the department of counselor education, was given two national awards at the annual convention of the American Personnel and Guidance Association recently. One was the Merit Award of the National Vocational Guidance Assn., for distinguished contributions to the advancement of professional vocational guidance; the other was a Certificate of Achievement from the Association of Counselor Education and Supervision (A.C.E.S.) for service as editor of the association's journal. On July 1, Dr. Herr will become president of the A.C.E.S.

Richard E. Bland, associate professor of engineering research and special assistant to the director of the Applied Research Laboratory, has been selected "Fire Protection Man of the Year" by the Society of Fire Protection Engineers. The award was made yesterday (May 22) at the annual

meeting of the Society in Miami Beach, Fla.

Dr. R. Devere Boyd, family practice resident at the Hershey Medical Center who obtained his M.D. degree there in 1973, is one of 16 doctors throughout the nation to be named to receive \$1,200 Mead Johnson awards from the American Academy of Family Physicians. The awards are given to finance graduate training in family practice.

LEAVE

Dr. Robert W. Oit, assistant professor of art education at the University, has been granted a leave of absence for post-doctoral study at the University of London, beginning in September.

During his leave Dr. Oit will participate in the Association Programme of the Institute of Education of the University of London.

The Associateship Programme is comprised of internationally advanced scholars

who are awarded one year of full-time study and investigation of selected research topics in the field of education. The head of the art department of the University of London, Stanislaw Frenkiel, and the heads of the educational service departments of the Victoria and Albert Museum, The Tate Gallery and the Commonwealth Institute of the British Museum will serve as senior tutors for Dr. Oit's research. He will conduct a study of the in-service teacher and art teacher preparation programs that offer university credit for teacher education within museums of art.

IN WRITING

Dr. Corland Eyer, professor emeritus of Romance Languages, has written a history, "Foreign Languages at Penn State (1859-1947)," which will serve as a reference work on the development of the language programs at the University in pre-University years, as well as the faculty members who contributed to that development. The

book-length, loose-leaf volume also serves as a commentary on language instruction at Penn State, which in many ways reflects the changes in the University as a whole. Dr. Eyer depended on a variety of materials, including the files of the Penn State Board, Board of Trustees minutes, annual reports, personnel record sheets of instructors, annual reports of department heads, and to personal contact with former members of language faculties and their descendants. Dr. Eyer was a member of the Department of French for 24 years before his retirement in 1970.

The volume concludes with the observation concerning the anomaly that while the modern language programs began to lose their purely "service" function of their earlier years and to build their own undergraduate and graduate curricula, there appeared "a constantly accelerating movement to reduce the foreign language requirement for graduation and ultimately to eliminate it altogether."

NEWS—

(Continued from page one)

exercises Saturday (May 25). He will be the last person to receive his diploma that day.

In all, 56 men and 7 women will receive medical degrees; they are from 21 Pennsylvania counties and 10 other states. One graduate will not be present, however, and with a good excuse: he will be working as the only physician at a 25-bed hospital in a remote area of Bolivian Andes. Walter S. Kuhn and his wife, Sharon, a second-year medical student at Hershey, are working together at the hospital, and she is receiving academic credit for the work from the Hershey department of family and community medicine.

JOURNALISM ACCREDITED

The American Council on Education for Journalism has accredited a program in the School of Journalism and reaccertified two others. The broadcast news sequence was accredited and the advertising and news sequences reaccertified by the Council, which is the body designated by the National Commission on Accrediting, and

approved by the U.S. Dept. of Health, Education, and Welfare, to accredit journalism and related programs.

CREDIT UNION LOANS

On May 15, The Penn State Federal Credit Union waived the three day waiting period required by the Truth-in-Lending law by substituting a simpler note. Loans can now be approved and funds given out within one day of application.

MONDAY HOLIDAY

Monday, May 23, is the day this year for observing Memorial Day; University offices will therefore be closed that day.

GENERAL STORES

In order to take inventory, General Stores on the University Park campus, will be closed June 3-7.

MORTAR BOARD

Sixteen women have been selected, on the basis of scholarship, leadership and service, to become members of Mortar Board's local chapter. Founded in 1918, Mortar Board is the national senior women's honor society, the first and only national organization with such a purpose.

Transportation

Members of the faculty are invited to attend sessions of the International Symposium on The Effects of the Energy Shortage on Transportation Balance May 29-31 at Penn State Park campus. Those wishing to attend should contact the office of the conference organizer, Frank A. Haght, 865-1891, or the Conference Center, 865-7557.

The purpose of the Symposium is to consider how the energy shortage, in the long-term view, will affect the balance between various modes of transportation, for passengers and for freight, in urban settings or over long distances.

Among the international speakers to be heard among the 460 participants from eight countries, will be C. Kenneth Orskov, OECD, Paris, France, who will give one of the keynote talks, on "The Potential for Fuel Conservation" at the opening session Wednesday, May 29, at 9 a.m. All sessions will be held at the Conference Center.

John H. E. Taplin, of the Bureau of Transport Economics, Canberra, Australia, will talk at the same session.

WPXS program

Legalized gambling, from bingo to off track betting, is the subject of "Pennsylvania Town Meeting" Thursday, May 30, 8:00 p.m. on WPXS-TV and other member stations of the Pennsylvania Public Television Network. The two-hour program centers around legislation that would legalize various forms of gambling in the State. Included will be filmed reports on the issues, comments by guest experts, and a "town meeting" of people from many of the 168 backgrounds within the WPXS-TV viewing area.

HUB special

The H.U.B. Terrace Room has initiated daily special meals for both lunch and dinner at prices much below customary cafeteria prices. No substitutions are permitted to benefit from these reduced prices. For the next few days, the menu (all accompanied by appropriate side dishes and beverages) are:

Thursday, May 23 — lunch, apple slices w/ice cream, \$1.12; dinner, hot beef salad \$1.45.
Friday, May 24 — lunch, apple cobbler, \$1.00; dinner, shrimp cobbler w/rice \$1.45.
Saturday, May 25 — lunch, macaroni & cheese \$1.00; dinner, meatloaf \$1.39.
The Terrace Room will be closed May 26-June 1.

Funding Opportunities

Instruction—Research—Continuing Education—Fellowships

For more information and funding source information, call 865-1372.

May 23, 1974

(130-1) Under Its Regional Organization Program (on behalf of the Public Media Program), the National Endowment for the Arts (NEA) wants to "stimulate interest in the cinema" by furnishing matching grants to regional film centers. According to NEA, there are three purposes: (1) build new, outlying screening facilities; (2) providing research and film study; and (3) disseminating information to encourage the development of broad-based film education. Support is restricted to establish facilities that can provide facilities and overhead, have a program in operation with public showings of reasonable cost, and have access to materials and information in a study center. Grants are for up to \$25,000 maximum and must be matched. The application deadline is Aug. 15, 1974. For information, guidelines, and application forms, contact: Chloé Aaron, Director, Public Media Program, NEA, Washington, O.C. 20506 (202)382-6178.

(130-2) National Endowment for the Humanities (NEH) Development Grants provide support to bring about reform in humanities instruction. Although traditional focus for the program has been the liberal arts, development grants have been awarded to schools of engineering, medicine, and environmental relations. These units have designed humanities courses of specific interest to their professional students. Applications may be submitted for up to five years of support ranging from \$10,000 to \$250,000. For information, contact: William G. O'Neil, Director, Development Grants Program, Div. of Educ. Programs, NEH, Washington, O.C. 20506 (202)392-6955.

(130-3) Proposed regulations have been issued by the Office of Education for research and training, exemplary and curriculum development program in Vocational Education. (Vocational Education Act of 1973 — Includes technical education). Guidelines have not yet been issued as of this writing. The research and training program (Part C) includes experimental, demonstration, new curricula, and new career activities. Exemplary programs (Part B) are to create a bridge between schools and earning a living for young people who are (1) still in school, (2) have left school by graduation or otherwise, and (3) in postsecondary vocational programs. Guidance and counseling, improvement of vocational education curricula and motivational programs are among those acceptable under

this part. Promotion of cooperation between public education and manufacturing and vocational education program models are also included in exemplary programs. Curriculum Development Programs (Part I) support development of curricula for new and changing occupations and coordination of improvements in and dissemination of existing curriculum materials. The regulations have been distributed and are available (Ref. 39PFR15294, 5,272.4 and CFDA 15-498, 13,502).

(130-5) A memorandum from the National Science Foundation states: "It is these areas listed below) of basic research to which NSF's Research Opportunities program is devoted as part of the Nation's energy research and development program. Areas selected for special attention are: sensors and other colloidal phenomena; biological catalysis; chemical synthesis; chemical physics of atomic, molecular, and ionic processes; chemical transformations and processes; combustion; catalysis; electrolysis; electrical power and electromagnetic properties of materials; environmental motion-fields and transport processes; environment of fossil fuels; fission and fusion; geo-

engineering; biology, institutional, and societal responses; heat budget of the earth; heat and mass transfer; heterogeneous catalysis; homogeneous catalysis; information — the 460 participants from eight countries, will be C. Kenneth Orskov, OECD, Paris, France, who will give one of the keynote talks, on "The Potential for Fuel Conservation" at the opening session Wednesday, May 29, at 9 a.m. All sessions will be held at the Conference Center.

John H. E. Taplin, of the Bureau of Transport Economics, Canberra, Australia, will talk at the same session.

(130-6) NASA will fund analyses of lightweight vehicles, ranging from fully compliant to hybrid types, combining both static and aerodynamic lift. Economic evaluations, assessment of operational problems, institutional restraints, and environmental impacts will be considered. Ames Research Center, Moffett Field, CA 94035 and ask for Request for Proposals 2-47791, 00-92.

(130-7) Institute of International Education

tion (609 Union Nations Plaza, New York 10007) invites current juniors, seniors and graduate students to apply for study abroad in 1975-76. The application deadline is Sept. 30, 1974. Applications from racial minorities are especially sought. Information and application forms are available at the Fellowship Office, 317 Kern Grad. Bldg. NEA wants to "stimulate interest in the cinema" by furnishing matching grants to regional film centers. According to NEA, there are three purposes: (1) build new, outlying screening facilities; (2) providing research and film study; and (3) disseminating information to encourage the development of broad-based film education. Support is restricted to establish facilities that can provide facilities and overhead, have a program in operation with public showings of reasonable cost, and have access to materials and information in a study center. Grants are for up to \$25,000 maximum and must be matched. The application deadline is Aug. 15, 1974. For information, guidelines, and application forms, contact: Chloé Aaron, Director, Public Media Program, NEA, Washington, O.C. 20506 (202)382-6178.

(130-8) Graduate school grants-in-aid of tuition for fall quarter. The deadline for applications is already past. A few (8) are still unallocated by students awarded assistantships. The deadline for applications for their grants-in-aid will be July 15, 1974. Applicants should be a U.S. citizen and have a B.S. or later term at Penn State during the Fall term. Application forms are available at the Fellowship Office, 317 Kern Grad. Bldg.

PROFESSOR LIBRARY ANALYST, INTERCOLLEGE RESEARCH PROGRAMS — University Park

Responsible for the overall effective management of the Computer Center's program and Technical Library. Will acquire and install new programs, materials files, assist users, and manage reference library. Consult with research units on teaching facility, Commonwealth campuses, other universities, as well as on the availability and exchange of programs and documentation. Bachelor's degree in Computer Science or equivalent plus two to three years of related experience. Broad knowledge of programming language, computer applications, and competence in Job Control language and data management necessary. Familiarity with Library of Congress Cataloging in Publication (CIP) and Operations Supervisor, Continuing Education — University Park

Responsible to the Assistant Director for Operations and Services for the scheduling of facilities and personnel for operations and production of programs, and for supervision of lighting, set construction, and general stage supervision on a day-by-day basis. Bachelor of science or arts degree or equivalent and at least three to six years of previous experience in television production and/or stage production.

DEVELOPMENT AND TEST ENGINEER, APPLIED RESEARCH LABORATORY — University Park

Responsible for the development and field testing of complex electrical and mechanical equipment. Test and develop equipment at remote sites (other than University Park) for extended periods. Bachelor's degree in science or engineering or equivalent, plus 10 years of experience in development of undersea equipment.

FINANCIAL OFFICER — New Kensington

Responsible for financial and administrative matters pertaining to the University and campus policies and procedures. Bachelor's degree in accounting or equivalent plus at least three to four years related experience.

Staff vacancies

University faculty or staff members who are interested in any of the staff exempt or staff non-exempt jobs listed below may apply by calling Employment Division, 685-1387 (Network Line 475-1387). Do not contact the area having the vacancy. Applications will be accepted until: 5 p.m., May 30, 1974.

COORDINATOR, EDUCATIONAL OPPORTUNITY PROGRAM —

Wilkes-Barre Campus

Assist the Director of the Educational Opportunity Program in developing, coordinating and administering the Educational Opportunity Program at the assigned campus. Bachelor's degree in a field reasonably related to Educational Opportunity Program or equivalent plus a minimum of two years related experience.

ASSISTANT SPORTS DIRECTOR, PUBLIC INFORMATION — University Park

Responsible for writing original and creative articles, features and reports on sports and related topics for writing and preparing editorial copy for brochures and programs; for coverage of athletic events on off campus; and for maintaining press book facilities. Bachelor's degree in Journalism or equivalent plus at least six months experience in related sports information experience.

DIRECTOR, CAREER DEVELOPMENT AND PLACEMENT CENTER, STUDENT AFFAIRS — University Park

Responsible for coordinating and administering the programs and services of the University Career Development and Placement Center. This includes Career Counseling Programs; providing updated materials on general and specific career information, manpower and market research, information delivery systems; Employer Relations and special information on post college opportunities. Interview scheduling and credentials services. Doctor's degree or equivalent with at least 5 years experience in the fields of college or counseling psychology, plus administrative experience in Higher Education.

PENN STATE intercom

Volume 3, Number 37

May 30, 1974

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

Commencement plans, in case of rain June 1

Commencement planners seldom like the sound of the word "rain," but they plan for it nevertheless. Should there be, on June 1 at University Park, such an unlikely occurrence as a heavy rainstorm which would preclude holding ceremonies in open-air Beaver Stadium (at 10:30 a.m.), here is what the planners have arranged:

A decision to hold indoor ceremonies may be made as late as 7:30 a.m. June 1, and announcement would be made on area radio stations. (In 1972, Hurricane Agnes forced the ceremony indoors, and since many people could not reach University Park, only one ceremony was held. In that case, the decision was announced early that the change would be made. On June 1, 1957, rain forced the ceremonies into Rec Hall. These are the only two times in recent history that indoor ceremonies were required for the June commencement.)

At 10:30 a.m. in Rec Hall, Former Governor William W. Scranton will give the Commencement Address, with President Oswald presiding. Graduates of the Colleges of The Liberal Arts, Human Development, and Arts and Architecture will receive degrees. In University Auditorium, Provost Russell E. Larson will speak as College of Education majors attend. And in Schwab Auditorium candidates for advanced degrees will hear Graduate School Dean James Barlow.

At 2:30 p.m., a ceremony in Rec Hall, with President Oswald as speaker, will be held for graduates in Business Administration, Engineering, and Science. At University Auditorium, Provost Larson will speak, with College of Agriculture, Earth and Mineral Sciences, and Health, Physical Education and Recreation graduates in attendance.

About 4,100 degrees will be granted at these exercises.

JGE announces editor change

The Journal of General Education, edited and published at the University, has new editors, with the recently issued April, 1974, volume.

Dr. Robert B. Eckhardt and Dr. Caroline Eckhardt, husband and wife and members of the Penn State faculty, have assumed the post from Dr. Henry W. Sams, who remains as associate editor. Dr. Sams has edited the Journal since it transferred to the University six years ago. The University Press has published the Journal in that same period.

In the April issue, Dr. Carl G. Vaught, associate professor of philosophy, has an article, and Dr. Jo S. Searles, assistant professor of English, at the Beaver Campus, has contributed a short poem, "tic." Two former Penn State students, Nancy Esther James and James J. Sosnoski, are also represented in the volume, Nancy by a poem and Sosnoski by a book review. She is now at Westminster College (Pa.), and he is at Miami University in Ohio. Dr. Vaught's article is on "Religion as a Quest for Wholeness: Melville's Moby-Dick."

The lead article is by Dusan Soudek, M.D., associate professor at Queens University, Kingston, Ontario, on "Chromosome Variations and Human Behavior." He is also a research associate of the Ontario Mental Health Foundation.

Artists Series

May 31 is the final day on which Artists Series season ticket patrons of the past year will receive special consideration in the allocation of reserved seating for the 1974-75 season in both Schwab Auditorium and University Auditorium.

After that date, all season ticket applica-

(Continued on page two)

News in brief

HUB COMMENCEMENT

Breakfast and luncheon service at the HUS for Commencement Day, Saturday, June 1, will feature "HUB Specials." In addition to the usual breakfast and luncheon items. The breakfast special will include two eggs, toast, pot of coffee, and a doughnut, for 65 cents. The luncheon special will be ham steak with appropriate vegetables and salad, plus usual accompaniments for \$1.89. Breakfast service will be from 8 a.m. to 10:30 a.m.; luncheon service will be from 10:30 a.m. to 1:15 p.m.

GENERAL STOCK FORMS

Departments and colleges which still have on hand, and use, requisition forms for General Stock dated prior to 4/71 (lower left-hand corner of form) should return those forms to General Stock, which will then send newer forms. A change in procedures makes the old forms obsolete.

LECTURE IN POLAND

Dr. Bruce H. Barnes, associate professor of computer science, will lecture in War-

saw, Poland, next week at the Stefan Banach International Mathematical Centre. He will be one of ten international experts, each a specialist in his field, giving lectures on the mathematical foundations of computer science. He will be in Warsaw June 1-10. A grant from the National Science Foundation is providing partial aid.

WINS CONTEST

Clarence E. Craver, McKean County agricultural agent, was declared a state winner of the seventh annual Public Information Awards Contest, which is sponsored by the National Association of County Agricultural Agents. His entry, judged best among 48 submissions, was a 12-minute taped radio program.

CONFERENCE TALK

Dr. Edward K. Kraybill, director of the Worthington Scranton Campus, will speak at the 1974 International Conference on Frontiers in Education July 15 through 19 at City University, London, England. Dr. Kraybill's talk, "Engineering Student Retention — Inadvertent or Planned?" concerns a nationwide project to seek causes for baccalaureate students remaining in or leaving engineering programs. The Inter-

national conference, conducted by the Institute of Electrical and Electronics Engineers, aims to increase understanding of the role of educational technology through exposition and discussion of its applications, scope and potential, with particular reference to engineering education and training.

CARPENTER TO HAWAII

Dr. C. Ray Carpenter, research professor emeritus of psychology and anthropology who served on the faculty from 1939 until retirement in 1970, is continuing professional work. Starting July 1 he will serve as visiting researcher with the East-West Communication Institute at the East-West Center, Honolulu.

Dr. Ray, professor of geochemistry and director of the Materleis Research Laboratory in 1962, Dr. Carpenter remained active as research professor of psychology and anthropology at the University of Georgia (Athens). In his new position, he will participate in a technology and instruction project of the developmental communication subdivision of the Communication Institute's program, concentrating on innovation and studies of excellence in technology and instruction.

(Continued on page two)

Service Awards in Engineering and EMS



Virgil E. Neilly (left), who as associate professor of engineering works in the office of Dean N. J. Palladino, didn't have far to go to receive his 25-Year Service Award plaque and Penn State chair from the dean. A native of Illinois who was graduated from high school in Kentucky, Neilly earned a bachelor's degree in electrical engineering at Penn State in 1949, and shortly thereafter he joined the Engineering Extension staff as instructor. While a student he was active in the Symphony Orchestra, the Glee Club, Varsity Quartet, Blue Band, and Thespian, in addition to the professional society, A.S.E.E. In addition to the obvious interest in music he has also been a "ham" for many years (W3LNV), and through that interest has many friends in Latin America. Neilly is secretary of the Industrial and Professional Advisory Council of the College of Engineering, which provides direct communication between the engineering faculty and engineering personnel from industry, government agencies and private practice.



At College of Earth and Mineral Sciences Honors Day activities recently, Dean Charles L. Hooser (left) presented 25-Year Service Award plaques to Dr. William Spackman, Rustum Roy, and Harold L. Lovell. Dr. Spackman, professor of paleontology and director of the Coal Research Section, was the subject of an INTERCOM in-depth story in the Nov. 1, 1973 issue, in which it was pointed out that his research in coal petrology is widely known. Locally he has been president of the Board of Trustees of Center Community Hospital, during a period of great expansion. Dr. Roy, professor of geochemistry and director of the Materleis Research Laboratory, began his career on the faculty in 1950, but previously he had been a doctoral student here for two years as a Government of India Overseas Scholar, and then he worked here as a postdoctoral fellow in the department of mineralogy for a year. He returned to his native India as the senior scientific officer of the National Cosmic Research Institute, before coming back to Penn State to stay in 1950. He was named director of the Materleis Research Laboratory in 1962. From his research and that of other members of MRL have come many research papers, awards and honors. Dr. Lovell, professor of mineral engineering and director of the Mine Drainage Research Section, is a Penn State-trained scientist, receiving degrees in chemistry before earning the Ph.D. in fuel technology in 1952. As early as 1944 he was a research assistant in the Metallurgical Research Institute, before coming back to Penn State to stay in 1950. He was named director of the Materleis Research Laboratory in 1962. From his research and that of other members of MRL have come many research papers, awards and honors. Dr. Lovell, professor of mineral engineering and director of the Mine Drainage Research Section, is a Penn State-trained scientist, receiving degrees in chemistry before earning the Ph.D. in fuel technology in 1952. As early as 1944 he was a research assistant in the Metallurgical Research Institute, before coming back to Penn State to stay in 1950. He was named director of the Materleis Research Laboratory in 1962. From his research and that of other members of MRL have come many research papers, awards and honors. Dr. Lovell, professor of mineral engineering and director of the Mine Drainage Research Section, is a Penn State-trained scientist, receiving degrees in chemistry before earning the Ph.D. in fuel technology in 1952. As early as 1944 he was a research assistant in the Metallurgical Research Institute, before coming back to Penn State to stay in 1950. He was named director of the Materleis Research Laboratory in 1962. From his research and that of other members of MRL have come many research papers, awards and honors.

HONORS

Ralph H. Wherry, William Elliott Professor Emeritus of Life Insurance, was honored by the College of Business Administration recently in the presentation of the 1973-74 Alumni Awards. The other award went to Richard A. Zimmerman, president of Cory Corporation. Since his retirement in 1970 after serving for 23 years on the faculty, Wherry has taught part time at the University of South Florida and served as executive consultant on advanced training and education to the Philadelphia Life Insurance Co.

Dr. Thomas M. York, associate professor of aerospace engineering, has been named Outstanding Faculty Adviser in the College of Engineering. He received the award, which includes a certificate and a \$500 stipend, at the College's 13th annual Honors Day luncheon. The award recognizes superior guidance and counseling and the recipient is chosen from student recommendations. Dr. York received the bachelor of science and master of science degrees in aerospace engineering from the University and the doctor of philosophy degree from Princeton University. He joined the Penn State faculty in 1959.

Dr. Nelson A. Chagnon, associate professor of anthropology, has won first place honors in the anthropology and ethnography category of the American Film Festival for his documentary film, "Magical

Death," which deals with the Yanomamo Indians of Brazil and Venezuela. The festival was held May 14-18 in New York.

At the 1972 American Film Festival, two other films for which Dr. Chagnon was co-producer and co-director won prizes: "The Feast" won a first place award and "Yanomamo: A Multidisciplinary Study," gained second place laurels, both in the educational films category.

In all, Dr. Chagnon has spent 36 months of field work with the Yanomamo, a recently-contacted tribe numbering between 10,000 and 15,000. His first contact was in November, 1964. To February, 1966, and from that work in Southern Venezuela came his doctoral dissertation, "Yanomamo Warfare, Social Organization and Marriage Alliances." He returned for three months in 1967, and in 1968-72 he spent several months each year continuing his field work.

"Magical Death" concerns the interrelationship of religion, politics, and the use of hallucinogenic snuff in shamanism.

The film is available from Audio-Visual Services and is part of the Psychological Cinema Register. It may be obtained from AVS by calling 865-6317.

IN WRITING

Dr. Frank Swetz, assistant professor of mathematics at Capitol Campus, is author of "Mathematics Education in China," published by the Massachusetts Institute of

Technology Press, Cambridge, Mass. The book resulted from three years of research by Dr. Swetz, with the aid of a grant from the East Asian Institute at Columbia University. It is a detailed study of the growth of math education in China, from 1860 to 1970, with particular concern for the developments initiated by the Communist state. Dr. Swetz served with the Peace Corps and traveled widely through Asia. He is a lecturer with the National Committee on U.S.-China Relations, Inc. He has been at Capitol Campus since 1969, with research interests in education and developing nations.

"Richard Olney, Evolution of a Statesman," by Dr. Gerald G. Eggert, professor of American history, has been published by the University Press. The volume is a biography of a controversial cabinet officer who served as Attorney General under President Grover Cleveland, in 1893-95. In addition to problems of the Pullman Strike, Coxey's Army of unemployed, and the struggle over the gold standard, Olney was responsible for the Government's case in three Supreme Court decisions of importance: the Sugar Trust case, the Income Tax cases, and the Eugene V. Debs Case. In 1895, Cleveland appointed Olney to the post of Secretary of State, and immediately he became involved in the boundary dispute between Venezuela and British Guiana. What followed had much to do with strengthening the Monroe Doctrine.

PARTICLE SIZE COURSE

A three-day short course will be offered by the Mineral Processing Section of the Department of Material Sciences July 16-18 on the subject of "Particle Size Analysis," in which the principal lecturer will be Dr. Richard Hogg, of the mineral processing sector. Other faculty members are Dr. G. Austin, Dr. F. F. Aplan, and Dr. R. H. White, all of Penn State, and Dr. B. H. Kaye, director of the Fine Particles Research Institute, Laurentian University, Sudbury, Ontario, Canada. Expected to attend are engineers and scientists concerned with the characterization of particulate materials.

are available. (Ref. 39FR15484, 5/7/74).

(31-4) The Health Maintenance Organizations (HMO) sponsored by the Public Health Service (PHS), in addition to providing federal financial assistance for establishing health maintenance organizations, furnishes grants and contracts for feasibility surveys and for planning and initial development costs. These grants are provided to qualified organizations which are or propose to become health maintenance organizations. The grants have been distributed. Copies are available. (Ref. 39FR 16421, 5/8/74).

(31-5) The Office of Education (OE) has issued criteria for selection of applications in FY1974 for Projects in Research, Teacher Education and Learning Disabilities. Projects include research on the handicapped, training personnel who will educate the handicapped, and specific learning disabilities projects which propose creative approaches that meet educational needs of children and identify and prevent learning disabilities. The criteria have been distributed. Copies are available. (Ref. 39FR15519, 5/7/74).

(31-6) The Office of Education (OE) has issued proposed guidelines for its programs of Financial Assistance for Community Service and Continuing Education. The original State grant part of the program strengthened the community service programs of colleges and universities in rural and suburban areas including housing, poverty, government, recreation, employment, youth opportunities, transportation, health, and land use. The second part of the program strengthened academic institutions in carrying out special programs and projects which seek solutions to national and regional problems relating to technological and social development. The program is authorized by PL 92-318. In the discretionary program is money to fund projects that involve innovative methods, systems, or materials; cooperative projects; and demonstrations of educational strategies. Proposed guidelines have been distributed. More are available. The program contact is: Community Service and Continuing Education Program, U.S. Office of Education, Washington, D.C. 20202 (Ref. 39FR15951, 5/6/74).

COMPUTER OPERATOR, UNIVERSITY LIBRARIES — University Park

Responsible for preparing the computer program processing and for the satisfactory completion of each scheduled computer operation. High School graduate or equivalent with operators training in basic computer systems, equivalent to two years of college, plus one to two years of experience in computer operation.

AREA REPRESENTATIVE, CONTINUING EDUCATION — McKeesport

Responsible for the functions of development, organization, operation and administration of Continuing Education programs and services within an assigned territory. Bachelor's degree or equivalent with three to four years of experience in business, industry or education.

RESIDENT AREA COORDINATOR, STUDENT AFFAIRS — Behrend College

Responsible for assisting in carrying out the missions of the office of Student Affairs. Bachelor's degree or equivalent with three to four years of experience in the field. Resident Hall Program. Masters degree in college student personnel or equivalent with one to two years of related experience.

Calendar

SPECIAL EVENTS

Saturday, June 1 — Spring Term Commencement at University Park campus, 10:30 a.m. Beaver Stadium. In case of rain, ceremonies in University Auditorium, Rec Hall, and Schwab Auditorium at 10:30 a.m. and in Rec Hall and University Auditorium at 2:30 p.m. Speakers at 10:30 a.m. in Rec Hall, Former Governor William W. Scranton. Saturday, June 2 — R.O.C.T. Commissioning exercises, 8 a.m. Music Bldg. Rec Hall. Speaker, Dr. Robert E. Dunham, vice president for undergraduate studies. Sunday, June 3 — New students arrive for Summer Term.

EXHIBITS

Museum of Art — Gallery C, Quilts, from collection of Miriam Tuska, Lexington, Ky.

Heart program

The Third Heart Risk Screening Program of the current year will be held Tuesday and Wednesday, June 11-12, in Room 301 Agricultural Administration Bldg. The first two programs were extremely successful from the standpoint of the number examined, according to the Penn State Heart Association, which is responsible for the examinations. The College of Health, Physical Education and Recreation and Continuing Education are cooperating in the program.

Appointments for the examination may be made by calling the Association office, 238-1301.

The examination is used to indicate whether the person should consider a special heart program to reduce the risk of heart disease.

WPSX program

Pennsylvania Auditor General Casey is featured in a half-hour conversation on "People, Places, Things, Now" Friday, May 31, at 7:30 p.m. on WPSX-TV, Channel 3. Casey will discuss his responsibilities as auditor general and what role the auditor general plays in the operation of State government. Casey will also answer a variety of questions from newsmen.

A gallery of unusual video works by thirty artists exploring video as a new means of communication is presented in "Video: The New Wave" Monday, June 3, at 8:00 p.m. on Channel 3. The program is described as a "celebration of the video revolution" in which every man becomes his own cameraman, producer, and director. Art critic Brian O'Doherty introduces and narrates the hour-long special.

Raymond Pace, assistant professor of music at Penn State, performs in a half-hour "Music at Penn State" concert Monday, June 3, at 8:30 p.m. Tuesday, June 4, at 8:00 p.m. on WPSX-TV. On the program, Pace and assistant professor of music June Miller perform J. S. Bach's Sonata No. 5 for violin and harpsichord. Pace also plays Max Regers Suite No. 1 for two violas. Both works are in four movements.

"Nourish the Beast," Steve Teitel's riotous comedy about the predicaments of a very unusual family, is featured on "Hollywood Television Theatre" Wednesday, June 5, at 8:30 p.m. on WPSX-TV. Elliott Brennan stars as Goya, the life-assuming matriarch who adopts new children the day grown ones leave and who advertises for replacements when old husbands die.

ARTISTS —

(Continued from page one)

tions will be handled on a first-come, first-served basis. Tickets for individual events will not be sold until a few days before the event, even though seats in both Schwab and University Auditorium will be reserved.

There are three live-performance series and three film series; the season's program will also include some special events, for which only individual-event tickets will be sold.

In University Auditorium, the Music Series and the Theatre-Dance Series are available in season tickets for each series. In Schwab Auditorium includes six events, emphasizing music but including a performance by the National Theatre of the Deaf.

A brochure explaining the various ticket plans and the complete program is available from the Artists Series, Room 202 Schwab, if you have not already received one in a campus mailing.

Funding Opportunities

Instruction—Research—Continuing Education—Fellowships

For procedural and funding source information, call 865-1372.

May 30, 1974

(310-4) NSF's Materials and Instruction Development (MID) (College) Program encourages science and college educators to organize projects for the improvement of pre-college education in mathematics, the sciences (physical, biological, and earth), and social sciences including the history and philosophy of science. High priority will be given to proposals for development of materials that relate science and environmental and societal problems. MID will consider proposals for projects in science literacy at the elementary and secondary levels and projects leading to careers in science and technology at the secondary level. Special Interest includes: projects for a broad ability range of students, interdisciplinary in the social sciences, innovative educational technologies, and experimentation with new structures and procedures in science education. There are no formal deadlines. Format proposals require four to six months for decision. (Ref. NSF 6-75-3).

(31-1) The Health Services and Mental Health Administration (HSMHA) DHEW supports a Child Health Research Grants Program. Research funds will be awarded to projects dealing with maternal and child health services or crippled children's services that substantially contribute to the advancement of such services. Grants are made to institutions and individuals. Priority grants range in amounts from \$15,000 to \$450,000, averaging \$95,000. Some program accomplishments include health status and services for mothers and children in urban and rural communities, new approaches to maternal health services, increasing the effectiveness of child health programs, evaluation of costs and program effectiveness, nutrition, and services for teenage parents. The next two deadlines for application are Aug. 1 and Dec. 1.

1974. Program contact is: Mrs. Gloria Wackernah, Grants Mgmt. Officer, Maternal and Child Health Service, HSMHA, Room 12A08, 5600 Fishers Lane, Rockville, MD 20852 (202)443-2190 (Ref. CFDA 13-232).

(31-2) The National Institute of Health (NIH) has released proposed rules for Inter-professional Health Services Schools of Medicine, delivery, osteopathy, nursing, training centers for allied health professionals, and other emergency medicine services training programs including ambulance services. The information is to be given in FY1974 to programs stressing a team approach to the delivery of emergency medical services and the establishment and operation of programs that would provide a regional resource for the training of one or more classifications of emergency medical personnel (Ref. 39FR15151, 5/7/74). Proposed regulations were released earlier (Ref. 39FR 15011, 4/29/74). This information has been distributed and is available.

(31-3) The National Institute of Education (NIE) has published rules and regulations for its Research Grants Program. Program goals are: (1) to make educational programs more effective in meeting the needs of persons from low-income families and minority communities; (2) to increase the effectiveness of educational resources; so that individuals and society can better afford high quality education; and (3) to improve the quality of educational resources. Research includes: activities designed to increase or synthesize basic knowledge of processes and conditions relevant to human learning and education or providing answers to important questions concerning actual or possible conduct of education in this country. Applicants are requested to first submit a prospectus for initial review. Full proposals will be invited for evaluation. These rules and regulations have been distributed and include a prospectus format. Copies

Staff vacancies

University faculty or staff members who are interested in any of the staff exempt or staff non-exempt jobs listed below may apply by calling Employment Office 238-1387 (ext. 145-1387). Do not contact the department directly for the vacancy. Applications will be accepted until: \$300 pm, June 13, 1974.

SENIOR SYSTEMS PROGRAMMER, UNIVERSITY LIBRARIES — University Park

Responsible for providing direction and assistance in the systems programming group. Responsible for participation in evaluation, development and implementation of projects, undertaken for the Library Information Access System. Bachelor's degree in computer science or equivalent. Systems programming experience must be in a time-share environment on state-of-the-art computer hardware. Demonstrated supervisory abilities are desired.

PENN STATE intercom

Volume 3, Number 38

June 6, 1974

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

Board approves TIAA retirement plan

The Board of Trustees of the University has accepted a recommendation from the University administration to establish an alternate retirement program to the State Employees' Retirement System (SERS) program currently available to regular, full-time faculty and staff members.

This recommendation was made possible with the passage of Act 31 of the Pennsylvania Legislature on March 1, 1974, which changed the State Employees' Retirement Code to permit the establishment of an alternate retirement system at the University.

It was also recommended and approved by the Board to designate the retirement program provided by the Teachers Insurance and Annuity Association of New York (TIAA) as the optional alternate plan.

Robert A. Patterson, senior vice president for finance and operations, in making the recommendation, said that the University will move to establish the alternate plan effective September 1, 1974. He also said that complete information describing both systems will be distributed to all eligible faculty and staff members prior to the effective date to help them decide on the plan of their choice.

According to Mr. Patterson, current employees will be given a nine-month period commencing with September 1 to make their

choice. New faculty and staff hired after September 1 will be required to make their choice within the first thirty days of their employment. No one will be permitted to enroll in both programs, however.

Mr. Patterson added that the choice of TIAA as the alternate retirement program was due in part to the overwhelming acceptance of this organization at other educational institutions. Currently, there are some 420,000 TIAA annuity owners in nearly 2,800 colleges and universities.

In the development of the alternate program, Mr. Patterson worked in close cooperation with the subcommittee on Fringe Benefits of the Committee on Faculty Affairs of the University Faculty Senate. Dr. Donald C. Rung is chairman of the subcommittee.

Faculty and staff members who choose to join TIAA will also have the option of participating in a companion organization, the College Retirement Equity Fund (CREF), which provides a variable annuity component based on CREF's investments in the stock market.

The addition to the University's employee benefits, Mr. Patterson said, gives greater flexibility to retirement planning.

Program of chairs, professorships, fellows approved

Trustees of the University have approved the establishment of chairs, professorships, and faculty fellows to be supported by special grants from benefactors as a means to give special recognition and support to distinguished faculty members of the University.

Appointments to all three positions will be made by the president upon recommendation of the dean of the appropriate College.

"The program provides a means for interested benefactors to support and help to enrich the academic program of the University and provides distinguished scholars with opportunities to make even more outstanding contributions in teaching, research, and public service," says President Oswald.

The funds, which in the case of the professorships and fellows will require supplemental support from the department of the faculty member designated, will provide, in addition to the faculty member's salary, support in such areas as graduate student salaries, secretarial assistance, and travel expenses.

Designated titles, in all cases, will include the name of the benefactor, which may be an individual or an interested company. Faculty members designated will hold the title until their retirement or the termination of their employment, contingent on the continuing support, in the case of the professorships and the fellows, of the benefactor.

Schein elected president of Faculty Club

Dr. Richard D. Schein was re-elected president of the Penn State Faculty Club in a recently-completed mail ballot, and other officers were elected, including:

Vice president, Donald R. Olson
Secretary, Robert L. Clewett
Treasurer, G. Edward Phillips
Directors-at-large, Peter D. Bennett, Ralph W. Condee, Marjorie East, Ross B. Lehman, Arthur O. Lewis, Jr., Robert F. Lima, Jr., Thomas F. Magner, and R. William Millman.

All positions, except those of secretary and treasurer who serve two-year terms, have terms of one year, beginning Sept. 1.

Lindback awards go to Goldberg, Guber

Dr. Stella R. Goldberg, associate professor of child development, and Dr. Albert L. Guber, associate professor of geology, were honored at Commencement Exercises last Saturday in receiving the Christian R. and Mary F. Lindback Awards for Distinguished Teaching.

Each received a plaque and check for \$1,000.

Dr. Goldberg, a graduate of New York University with bachelor of science and master of arts degrees, received her doctorate in child development and family relations from Columbia University.

She joined the Penn State faculty in 1953 as assistant professor of child development and family relations and was promoted to the rank of associate professor in 1968.

A leader in experimentation with teaching methods, Dr. Goldberg was the first faculty member in the College of Human Development to teach successfully using live television. Each summer she has offered a workshop devoted to teaching family relations at the secondary level.

Previous recognition of her teaching excellence has come at both the national and local level.

In 1969 Dr. Goldberg was designated "Adviser of the Year" by students in the College of Human Development, and in 1972 she received the Ernest G. Osborne Award of the National Council of Family



Relationships for distinguished teaching in the area of family studies.

A graduate of the University of Pittsburgh with a bachelor of science degree in geology, Dr. Guber received his doctor of philosophy degree in geology from the University of Illinois. He joined the Penn State faculty in 1963 as assistant professor of geology and immediately developed a new introductory paleontology course.

Dr. Guber was one of the primary or-



Dr. A. L. Guber

Dr. Stella Goldberg receives congratulations of President Oswald.

ganizers of an experimental course for geological science majors and served as faculty adviser to a National Science Foundation-supported Student Originated Studies investigation of acid mine drainage.

He is director and principal instructor in the highly successful Marine Sciences Field Studies Program, an inter-disciplinary and inter-College program which has been offered by Penn State each spring since 1972 at Wallops Island, Va.

Annual trustee election held

Walter J. Conti, of Doylestown, has been elected to a three-year term on the University's Board of Trustees, succeeding Frederick J. Close II, of North Madison, O., who has been serving on the Board since 1968.

Alumni, in balloting conducted by mail, also elected to the Board two incumbents, Ralph D. Hetzel, Jr., of Kent, O., and Ridge Riley, of Boalsburg.

Delegates of industrial and agricultural societies re-elected four incumbents: H. Thomas Halliwell, Jr., of Jenkintown; John L. Romig, of Kennett Square; John M. Phillips, of North East; and J. Lin Huber, of St. Thomas. All terms are for three years. Conti is owner and operator of Conti's Cross Keys Inn, Doylestown, and is a past president of the Pennsylvania Restaurant

Association.

Hetzel, dean of the College of Fine and Professional Arts and professor of art at Kent State University, has been a board member since 1956, while Riley, who retired in 1970 as executive director of the Penn State Alumni Association, is completing his first term.

Halliwell, chairman of the board of Standard Presses Steel Co., has been a member of the board since 1950, serving three terms as vice president. Romig, retired manager of Quarry and Mining Industry, Atlas Chemical Industries, Wilmington, Del., served as an alumni-elected member from 1960 to 1969 and was first elected by Industrial delegates in 1971. Phillips, a fruit grower, has been a board member since 1968 as has Huber, a dairy farmer.

R. M. Smith assistant provost

Dr. Robert M. Smith, professor of special education, has been named to the newly created position of assistant provost.

The position was established in the Office of the Provost to provide administrative support in matters involving faculty, academic programs, and the administration of various academic units of the University.

Dr. Russell E. Larson, provost, says that Dr. Smith will assist with coordinating, supervising and monitoring such activities as academic policy, procedures and program analysis, and advancing program and personnel effectiveness and efficiency in instruction, research, public service and scholarly achievement.

He also will be concerned with faculty welfare, rights and responsibilities, and

with studies to promote and foster excellence in the academic programs of the University.

Dr. Smith has been a member of the faculty since 1967. He had previously taught at the University of Pittsburgh, the University of Florida, and the University of Illinois.

A graduate of the University of Maryland with a bachelor of science degree in industrial education, he received his master of education and doctor of education degrees, both in special education, from the University of Illinois.

During the 1973-74 academic year, he served at Penn State as a Fellow in the Academic Administration Internship Program of the American Council on Education.

DEATH

Russell Cooper Miller, professor emeritus of animal industry and nutrition, died May 31 in Corning, N.Y. Dr. Cooper, who graduated from Penn State in 1922, obtained his doctorate from Cornell University in 1926 and joined Penn State's faculty the same year. He retired in 1965, after service as head of the Division of Animal Science and Industry.

HONORS

Charles E. Boughton, instructor in physical education at the Wilkes-Barre Campus, has received the 7th Annual Hayfield Award, which is sponsored by the Student Government Association of the Campus in recognition of exceptional academic performance and contribution to the co-curricular environment at the Campus. SGA designates the recipient as the outstanding faculty member for the academic year.

Dr. Sheldon R. Gelman, assistant professor of sociology, has received the Rosemary F. Dywlad International Award of the National Association for Retarded Children, and he will use the grant to study the interrelation between consumer organizations and government officials in

terms of service delivery for the retarded in Norway and England this summer.

Dr. Helen Wise, member of the Board of Trustees, has been named Distinguished Alumni of Delta Sigma Rho-Tau Kappa Alpha.

The announcement was made at the recent National Conference of DSR-TKA at the University of Massachusetts. Delta Sigma Rho-Tau Kappa Alpha, National Honorary Fraternity in Forensics, confers Distinguished Alumni status to members of DSR-TKA whose personal and professional life merit the highest recognition of the society.

As an undergraduate at the University, Dr. Wise was active in the debate and forensic program; as recognition of high scholastic standing and participation in forensics she was invited into membership in Delta Sigma Rho-Tau Kappa Alpha.

RETIREMENTS

Dr. Albert S. Hunter, member of the faculty since 1957, will retire on July 1 as professor of soil fertility. Throughout his career his chief interests have been in soil fertility, soil moisture, and crop management. He worked with the agronomic problems of guayule in California and Tex-

as for the U.S. Department of Agriculture; with soil fertility as related to nutritional values of crops at the U.S. Plant, Soil, and Nutrition Laboratory at Cornell University; with the fertilizer needs for irrigated crops and dryland wheat in eastern Oregon; and with soil fertility and liming problems of Pennsylvania crops and soils. On sabbatical leave from the University in 1965-66, he served with the IRI Research Institute at Recife in northeast Brazil as specialist in soil fertility, under the U.S. Agency for International Development. In 1972-73 he was in Castelar, Buenos Aires, Argentina on a Penn State AID project, teaching soil chemistry, plant nutrition, and soil-plant relations in the Graduate School of Agricultural Sciences. A native of Worthington, Ind., he engaged in farming in Missouri and Idaho for ten years following his graduation from high school in Bell City, Mo., in 1925. In 1934 he entered Utah State University, where he earned the bachelor of science degree in chemistry. He received the master of science degree from Washington State University and the doctor of philosophy from Rutgers University.

Orvel A. Schmidt, associate professor of forestry, retired June 1 after serving on the faculty for 28 years. In addition to his teaching and research, he served as administrative assistant to the director of

Penn State's School of Forest Resources, and as co-director of the administrative management program for natural resource managers. He developed and conducted a number of short courses in sawmill operations and lumber grading and is the author of a correspondence course on small woodlot management. He is the author of a series of papers on the sawmills of the northeastern United States and of a number of papers on forest drainage structures and methods and results of preservation treatments. In 1959 in Panama and in 1960 in Chile, he served as consultant on lumbering problems through the International Cooperation Administration of the Department of State. He studied lumbering and forestry utilization at the University of Freiburg, Germany, while on sabbatical leave in 1959. Later he spent three months studying lumbering and manufacturing problems on the west coast of the United States and in Taiwan, and in 1966 he was a special consultant in lumber manufacture and sawmill problems in Bolivia under the auspices of the Council for International Progress in Management. A native of Shawano County, Wisc., Professor Schmidt studied at the University of Wisconsin and earned both the bachelor of science in forestry and the master of forestry degrees at the University of Michigan.

Service Awards

Two County Agricultural Agents of the Cooperative Extension Service received 25-Year Service Awards recently. Amos Zimmerman (seated in left photo) and Harold E. Stewart (seated right).

Zimmerman, who has been in Union County since 1954 full time, and county agent since 1966, began his Extension service as an assistant in Cambria County in 1949 and following military service was assigned to both Snyder and Union Counties. Stewart has been Dauphin County agent since 1959, serving for seven years as assistant in the same county before that and in Carbon and Monroe Counties from 1949 to 1952.

With Zimmerman are College of Agriculture Dean James M. Quattle, assistant Extension director Frank S. Zeile; and associate Dean Thomas B. King. Dr. Beutler and Dr. King are with Stewart.



Staff vacancies

University faculty or staff members who are interested in any of the staff exempt or staff non-exempt jobs listed below may apply by calling Employment Division, 865-1387 (Network Line 45-1387). Do not contact the area having the vacancy. Applications will be accepted until: 8:00 p.m., June 13, 1974.

ASSOCIATE HOSPITAL DIRECTOR — Hershey Medical Center — University Park

Responsible to the Charge Nurse Dispensary for assailing physicians by providing nursing services and administering emergency treatment. Registered nurse with one to two years nursing experience.

Responsible for the administration, implementation and coordination of various departments of the Teaching Hospital, particularly in the areas of planning, staffing, budgeting and controlling of various programs. Degree in health care administration, or its equivalent, with four to seven years related experience as Assistant Hospital Administrator.

Funding Opportunities

Instruction—Research—Continuing Education—Fellowships

For procedural and funding source information, call 865-1372.

June 6, 1974

(NEA-1) The National Endowment for the Arts (NEA) has issued FY1975 guidelines for its **Literature and Environmental Arts Program**, 39FR17137, 5/13/74. One of twelve NEA program areas, this program supports research, program development, and exploratory design studies. The categories of funding are: **Public Education and Awareness program**—deadline July 1, 1974 (see May 9 INTERCOM #120-3); **Assistance to State Art Agencies**—deadline July 1, 1974; and **Academic and Professional Research Grants, Design Fellowships, and Services to the Field**—deadline Jan. 6, 1975. There will be no National Theme Program for FY1975. Program contact is Bill N. Levy, Director, Architecture & Environmental Arts Program, NEA, Washington, O.C. 20506 (202)382-6557.

(ISC-2) The Office of Education (OE) has issued rules and regulations for **Grants for Training in Librarianship** (Ref. 39FR17540, 5/17/74). In-state grants, fellowship grants and training grants will be funded through institutions which have established a graduate or undergraduate library program. Participant eligibility includes para-professionals. Minority, economically deprived, and handicapped training and retaining receives high priority. The stress is on the retaining of professional librarians, training of teachers of library science, and training of administrative and supervisory personnel. Rules and regulations have also been issued for **Library Research and Demonstration Grants** (Ref. 39FR17545, 5/17/74) relating to the improvement of libraries or of training in

librarianship including new techniques, systems, and equipment for processing, storing, and distributing information and for disseminating the information derived from the research. Special consideration will be given to proposals dealing with the total informational, educational, and cultural resources of communities and organizations. The aim of proposals is to develop new personnel, or to service to underemployed, undereducated, or culturally isolated groups. Studies will also be supported.

(ISC-3) The Office of Education (OE) has issued final rules and regulations (guidelines) for its program of **Financial Assistance for Environmental Education Projects**. Grants and contracts will be authorized to support research, demonstration, and pilot projects designed to educate the public on the problems of environmental quality and ecological balance. Projects support the development of educational processes dealing with man's relationship with his natural and man-made surroundings. Major areas of concern are: population, pollution, resource allocation and depletion, conservation, transportation, technology, and urban and rural planning to the total human environment. Emphasis is on the development of skills and insights to understand the structure, requirements, and impact within and among various environmental entities, systems, and subsystems. Some areas of particular interest are: impact of inventories, human settlements, food production, implications of selected inter-related human life support activities, and the water, energy, and resource utilization. (Feb. 14 INTERCOM #161: for details). (Ref. 39FR17842, 5/21/74).

RESEARCH AID (POULTRY SCIENCE), AGRICULTURE — University Park
Responsible for conducting research by performing biochemical analyses upon various animal tissue, tissue fractions, and body fluids. Collect tissues and body fluids and prepare samples for analysis. Conduct *in vitro* experiments on the metabolism and radioactive substrates by subcellular tissue fractions. Summarize and report the results. Prepare histological sections of selected tissues for microscopic examination. Bachelor of Science, preferably in Chemistry or Biochemistry or equivalent with one to two years laboratory experience.

RESEARCH AID, DAIRY SCIENCE — University Park
Responsible to the professor of dairy science for the collection of semen, the recording of body weight and sexual behavior, and the preparation and adjustment of individual feeding schedules for experimental cattle. Bachelor of Science degree in animal industry, animal or dairy science, or related areas, or its equivalent, plus over one year of experience with the management and feeding of cattle.

(ISC-4) The National Institute of Education (NIE) has recently re-emphasized its funding source mechanisms used to establish NIE funding opportunities: (1) **Requests for Proposals (RFP)** are released through the Commerce Business Daily for quick-response program needs. The Federal Register is also used to establish priorities and announce special programs; (2) **Unsolicited Proposals** are accepted at any time; (3) **Research Grants Program** of direct research is at present on an annual submission basis with a Jan. deadline. Plans call for an eventual semi-annual submission for this program; (4) The last mechanism that has been stressed is personal contact by the potential investigator with agency program officials. Contact information for this purpose is available for NIE and for other agencies.

HUB specials for June 9-15

The Hub Terrace Room serves daily special meals for both lunch and dinner at prices much below customary cafeteria prices a la carte. No substitutions are permitted to benefit from these reduced prices, which include appropriate side dishes and beverages.

Sunday, June 9 — lunch, baked ham w/sauce, \$1.65; supper, Welsh rabbit w/tea, \$1.15.
Monday, June 10 — lunch, grilled beef steak, \$9.99; dinner, platters beef w/steak, \$14.99.
Tuesday, June 11 — lunch, grilled beef steak w/sauce, \$10.99; dinner, franks and kraut, \$5.99.
Wednesday, June 12 — lunch, meat pineapple, \$11.11; dinner, turkey a la king, \$15.99.
Thursday, June 13 — lunch, apple trifles w/bac, \$11.11; dinner, hot beef sandwich, \$14.41.
Friday, June 14 — lunch, egg cutlet/salad, \$8.99; dinner, shrimp cocktail, \$14.99.
Saturday, June 15 — lunch, macaroni & cheese, \$8.11; dinner, meatloaf, \$13.99.

Calendar SPECIAL EVENTS

Sunday, June 9 — Arrival Day for new students.

Monday-Tuesday, June 10-11 — Orientation, advising, and registration for Summer Term.

Wednesday, June 12 — Classes begin at 8 a.m.

Wednesday, June 12 — Commonsplace Theatre, Room 112 Kern, 8 and 10 p.m. "The Wild Ones."

Friday, June 14 — Commonsplace College house, 8 p.m., Room 102 Kern. Entertainment by Lottman.

Friday-Sunday, June 14-16 — Commonsplace Theatre, 8 and 10 p.m., Room 112 Kern. "Five Easy Pieces."

Sunday, June 16 — Interlândia Folk Dance Club dance, 7:30 p.m., HUB ballroom.

EXHIBITS

Museum of Art — Quilts, Gallery B, continuing until June 30.
Kern Gallery — Anthropology Dept. exhibition through June. Black and White Photography by Patty Carroll, until June 15.
Opening June 16, oils and sculpture by La Vern Grant.

Funds approved

A recommendation by the Board of Directors of the Penn State Foundation for the allocation of \$30,000 in undergraduate funds to the University Fund has been approved by the Trustees.

The sum of \$15,000 has been allocated for the support of an artist in residence for one month each year for a five-year period in the Department of Art.

Funds of \$5,000 will be used to collect, analyze, and prepare for publication folklore and folklife elements found specifically in Union, Snyder, and Centre Counties of Pennsylvania.

Funds of \$1,500 will be used for the publication of 1,000 copies of an annotated catalog of audio tapes in the Pattee Library which represent recorded voices and events of importance in Penn State's history.

The sum of \$3,000 will be used to support the production of "Fifty Years of Surrealism," a program-catalog for the national conference on Surrealism to be held at the University marking the 50th anniversary of the Surrealist Manifesto.

Another \$3,000 has been allocated to the publication of the manuscript, "Hans Holbein as An Artist," by Francis E. Hyslop, Jr., professor of art history.

Under Student Aid, the Trustees approved \$50,000 for Alumni Memorial Scholarships, \$10,000 for an emergency loan fund for international students; and \$5,000 for funding to help the various Campuses of the University to undertake recognition of the recipients of scholarships from the Bay Area and Ethel M. Kunkle Scholarship Funds. Allocation of supplemental funds for existing programs includes: \$12,500 in support of the interdisciplinary graduate program in the humanities; \$15,000 in support of residency this summer for the Pennsylvania Ballet; and \$10,000 in support of the Black Christian Fellowship Program.

PENN STATE intercom

Volume 3, Number 39

June 13, 1974

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

Dr. Helen Snyder elected to head University Senate

The University Faculty Senate has its first woman chairman.

Elected to the post for the 1974-75 academic year was Dr. Helen I. Snyder, associate professor of educational psychology.

Other new officers installed at the June 4 Senate meeting were Sally S. Small, head librarian at the Berks Campus, vice chairman, and Dr. John J. Coyle, Jr., professor of business administration, secretary.

Dr. Snyder, who also is acting assistant dean of undergraduate education in the College of Education, succeeds Dr. Ernest L. Bergman, professor of plant nutrition, as Senate chairman. She predicted the faculty group's chief concern in the coming year will be "the matter of governance and shared responsibility. I think we must address ourselves to that."

In other election results announced at the meeting, Dr. Bergman and Dr. William Rabinowitz, professor of educational psychology, were named to the Standing Joint Committee on Tenure. Elected to the Faculty Rights and Responsibilities Committee were Dr. Raymond G. D. Ayoub, professor of mathematics; Dr. Ronald J. Harshbarger, assistant professor of mathematics at the Beaver Campus; and Dr. Stanley J. Paulson, dean of the College of the Liberal Arts.

The Senate voted to appoint a special committee to evaluate operation of the pass-fail grading system. The action came under amendment of recommendations of the Subcommittee on Academic Standards. Dr. Elton Atwater, subcommittee chairman, said pass-fail grades have been difficult to evaluate, noting there were various discrepancies from college to college in the use of the system.

The special committee, as outlined in the amended resolution, is to recommend to the Senate any necessary changes in the system. If the committee finds that it is not working effectively, it may recommend termination of the grading plan.

The committee, to be appointed by the Senate chairman, is to report to the Senate no later than the December meeting.

The Senate also voted to change a student rule to clarify the standards under which associate degree students may qualify for recognition of distinction at graduation.

Under the new rule, distinction will be awarded to associate degree students having a grade point average of 3.40 or higher, based on at least 30 credits earned at the University to satisfy the requirements of the student's particular associate degree program.

1,000 enroll

More than 1,000 new freshmen began Summer Term classes at University Park yesterday.

Along with the freshmen reporting at University Park, 70 freshmen began their studies at three of the Commonwealth Campuses: Altoona, Delaware County at Media, and Ogonitz at Abington.

Warren H. Hatfield, director of admission, records, and scheduling, says enrollment for the Summer Term will approximate that of last year when a total of 11,577 were registered at University Park, and the grand total of all students at all locations was 20,972.

Promotions for 218 faculty announced

Promotions for 218 faculty members, effective July 1, were announced by President John D. Oswald today.

TO PROFESSOR

Dr. Sumner C. Aggarwal, management science
Dr. Dorothy E. Alkire, education
Dr. Charles D. Ameringer, Latin-American history
Dr. Paul B. Baltes, human development
Dr. Alice F. Beatty, biology (DuBois)
Dr. Helen E. Bell, home management extension
Dr. Asa J. Berlin, speech pathology
Dr. John A. Brighton, mechanical engineering
Dr. Robert W. Carubba, classics
Dr. G. Phillip Cartwright, special education
Dr. Alice F. Chaplin, engineering (Berks)
Dr. Richard W. Cleveland, plant breeding
Dr. Mary C. Coleman, experimental foods
Dr. Anthony Cutler, art history
Dr. William L. Dulaney, journalism
Dr. William A. Fleming, biology
Dr. Victor L. Dupuis, education
Dr. Gordon N. Dunson, physics
Dr. Kenneth D. Frandsen, speech communication
Dr. Paul J. Glantz, veterinary science
Dr. William P. Graham, III surgery (Hershey)
Dr. Robert B. Greer, M.D., surgery
Dr. Keith A. Hall, education
Dr. J. Cordell Hatch, agricultural communications
Dr. Robert O. Herrmann, agricultural economics
Dr. Emerson Hibbard, biology
Dr. Jean Leans Jansma, agricultural economics
Dr. Robert L. Kabel, chemical engineering
Glenn R. Keane, animal science
Dr. Edward S. Kennedy, nuclear engineering
Dr. Jaan Kiuslaas, engineering mechanics
Philip Klass, English

John Kolesar, engineering (Wilkes-Barre)
Dr. Wesley R. Kriebel, agricultural economics extension
Dr. Gerard Lachs, electrical engineering
Dr. Budugur Lakshminarayana, aerospace engineering
Dr. Richard L. McCarl, biochemistry
Dr. Willis L. McClellan, agronomy extension
Alfred R. McClung, engineering (New Kensington)
Dr. Kenneth W. Masters, social science (Capitol)
Dr. Peter B. Plahl, floriculture
Dr. Thomas F. Powers, organizational behavior
David L. Raphael, industrial engineering
Dr. Jack C. Shannon, horticultural physiology
Dr. Jeanne L. Smith, psychology (Gontz)
Dr. Samuel H. Smith, plant pathology
Dr. T. A. Roussoun, (Adjunct) plant pathology
Dr. Jon N. Weber, marine geology
Dr. Eugene W. White, solid state science
Dr. Fern Kelly Willets, rural sociology
Dr. Melvin H. Wolf, humanities and English (Capitol)
Dr. Paul J. Wuest, plant pathology extension

TO LIBRARIAN

Dr. Wasyli O. Luciw, librarian
Dr. Murray S. Martin, librarian

TO ASSOCIATE PROFESSOR

Dr. Archibald Allen, classics
Dr. Gert Aron, civil engineering
Dr. John E. Ayers, plant pathology
Dr. Stanley B. Baker, education
William F. Bates, mining engineering (Fayette)
Dr. Robert M. Bear, finance
Dr. David E. Berry, health planning
Dr. Nicholas A. Brasca, education
Dr. Jon G. Bresderson, electrical engineering
Barry S. Brinsmaid, music

Samuel L. Bridewell, engineering (Mont Alto)
Dr. Gordon D. Brown, health administration
Dr. W. Dale Brownswell, mathematics
Dr. Ronald E. Buckalew, English
Dr. John W. Burnside, medicine (Hershey)
Dr. John J. Cahir, meteorology
Monty L. Christiansen, landscape architecture
Dr. Edward J. Ciolkosz, soil genesis and morphology
Dr. Charles A. Cole, engineering (Capitol)
Dr. W. Edward Craighead, psychology
Sabir H. M. Dahir, engineering (Capitol)
Dr. R. Austin Dally, accounting
Dr. Steven J. Danish, human development
Dr. Peter Deines, geochemistry
Dr. James F. Delansky, electrical engineering
Dr. David R. DeWalle, forest hydrology
Dr. Ronald W. Dietz, zoology (Schuylkill)
Dr. William J. Duiker III, history
Dr. Bennett Dyke, anthropology
Dr. James Estenstien, political science
Dr. Frances Faircloth, education
Dr. Terry A. Ferrar, economics
Martha A. Fisher, English (Mont Alto)
Dr. Stephen J. Fonash, engineering sciences
Dr. Edwin V. Gaffney, biology
Dr. Anthony V. Galanti, engineering (Hazleton)
Egon Gartenberg, music (Mont Alto)
Dr. Lawrence B. Golden, physics (Worthington Scranton)
Dr. Luis F. Gonzalez-Cruz, Spanish (New Kensington)
Dr. Earl K. Graham, Jr., geophysics
John W. Gross, engineering (Shenango Valley)
Dr. Donald A. Harter, agricultural extension (Lebanon)
Dr. Tom Hickley, human development
Dr. Charles W. Hill, biological chemistry (Hershey)
Dr. John J. Horan, education
James F. Holahan, English
Dr. Donald W. Johnson, education
Herbert C. Jordan, poultry science extension
Dr. Daniel Katkin, law
Dr. Alan E. Kazdin, psychology
Dr. Donald B. Keal, education
Dr. Manfred E. Keune, German
Dr. Edward R. Kimmel, engineering mechanics
Kenneth Kuhn, art (Altoona)
Zeljko Kujundzic, art (Fayette)
Dr. Carl A. Lindsay, education
Dr. Allan Lipston, medicine and microbiology (Hershey)
Dr. Jean W. MacCluer, biology (McKeessport)
Dr. Chris Maricondi, chemistry
Dr. Roy J. Martin, Jr., animal nutrition
Arthur I. Martinale, engineering (Delaware County)
Christopher K. McKenna, management science (Capitol)
Dr. Francis R. McKenna, education
Dr. Rodrigue Mortel, obstetrics and gynecology (Hershey)
Harold E. Neigh, consumer education extension
Dr. Osamu Nishikawa, physics
Dr. Hiroshi Ohmoto, geochemistry
William H. Parsonage, law enforcement and corrections
Dr. James H. Patterson, mgmt. science
Dr. Winfred M. Phillips, aerospace engineering
Dr. Daniel D. Quiring, nursing
Winston A. Richards, mathematics and statistics (Capitol)
Dr. Gordon E. Robinson, nuclear engineering
Dr. Audrey T. Rodgers, English
Dr. Richard C. Rose, physiology and surgery (Hershey)
Dr. Ralph J. Sabock, physical education
Dr. Michael A. Santulli, philosophy (Hazleton)

1973-74 Senate contributions cited

Editor's Note: The following remarks, with some omissions, were made by outgoing Senate Chairman Ernest L. Bergman at the June 4 meeting.

Last year when I stood here in front of you after overcoming the shock of being elected Senate Chairman, I asked you for your help, input, and support. Furthermore, I asked you to think University-wide first, and only then to remember that you are a part of a college or campus. You must have done this because the amount of work accomplished in the past year is very gratifying, and without your full support this would have been impossible. . . .

This brings me to the Commonwealth Campus Senators. I think they did more than their share for this Senate. If you consider that they have to drive rather large distances, you can appreciate their problem. When they finally arrive at Penn State they sometimes get into trouble with parking regulations and parking tickets. Naturally, I could say why should they be better off than we are, but it is kind of irritating when you are tried to do your best. I cannot agree with the present way of enforcing parking regulations and hope for all of us this will be changed in the very near future. The administration worked with us and supported us. Both the President's and Provost's Offices were always open to me when I needed them. On the other hand, they were not afraid to call me, too. Such cooperation between the Senate and administration is essential. . . . Now let's review some of the year's accomplishments.

First of all, I am very proud to report to you that the Faculty Rights and Responsibilities legislation, which was passed by the Senate, went into operation with the approval of the President on Sept. 1 and so far has worked very well. You may remember that this legislation was actually initiated as early as 1968 and took us nearly five years to get through the Senate and into operation. In my opinion, there is one missing link in the rights and responsibilities legislation pertaining to items of unit magnitude which actually might also affect the ombudsman of that unit. Therefore, may I suggest that there be appointed an ombudsman-at-large to keep liaison in such cases. This ombudsman-at-large could be the Past-Chairman, Vice-Chairman, or Secretary of the Senate, but it should be somebody who knows the operation of the University and its administrators.

The second big event was the creation of the University Faculty Senate Ad Hoc Committee to study implications of Collective Bargaining for Faculty Governance. This Committee worked extremely hard and followed down the line the charge of the Chairman, namely, to look into the pros and cons of collective bargaining as objectively as possible and report this to the Senate without recommendations. The Committee did a commendable, thorough job. The report was well received, and requests for it have been received from more than 30 universities in the United States and Canada. Later on, as you may remember, we had a forensic session on collective bargaining when we invited the representatives of AAUP, Graduate Students Association, Open Options, and PSPUA for an open discussion. The whole session was video-taped, and these tapes were requested by nine campuses.

(Continued on page 3)

(Continued on page 4)

Eleven faculty members announce retirements on July 1

Dr. Joseph D. Coppock, a professor of economics at the University since 1965, will retire on July 1. In September, he plans to go to the American University of Beirut, Lebanon, as a visiting professor of economics, a post he also held there from 1963 to 1965.

Dr. Coppock, born in Peru, Ind., prepared for college at Culver Military Academy, received his B.A., summa cum laude, at Swarthmore College, and was awarded his advanced degrees by Columbia University. About one-third of Professor Coppock's career has been spent with the U.S. Government, with the remainder in teaching and research. During and after World War II, he worked for the War Production Board, the Office of Price Administration, the Office of Strategic Services (dealt with the U.S. Navy), and the U.S. Department of State. In 1961 and 1962, he was director of the Foreign Economic Advisory Staff of the Department of State.

Dr. Coppock's principal teaching posts have been at Hendrix College, Swarthmore College, the University of California at Berkeley, and Earlham College, before coming to Penn State in 1965. He has been a visiting professor at Haverford College, the University of Oregon, the National War College, Indiana University, the University of Wisconsin, the University of Michigan, and Thammasat University, Thailand. He has served on the research staff of the National Bureau of Economic Research, of the Brookings Institution Price Discrimination Study, and of the Carnegie Corporation Project on Education for Business. In recent years, Dr. Coppock has specialized in international economics, with research on international trade instability. His 1962 "International Economic Instability" is still the standard work in this field. He has written monographs on "Foreign Trade of the Middle-East" and "Foreign Trade of Asia and the Far East," as well as books on the "Economics of the Business Firm," "The Food Stamp Plan," and "Government Agencies of Consumer Installment Credit."

Harry E. Cowan, associate professor of mathematics at the DuBois Campus, will retire July 1 after 28 years of service as a faculty member. He was one of the original students at the DuBois Campus, receiving his bachelor of science degree in education from the University in 1939. His master's degree in education was granted by the University of Illinois. He taught mathematics at Coudersport High School and served as a teaching assistant in mathematics at the University of Illinois. Following service in the U.S. Navy, he joined the DuBois Campus faculty in 1948 as an instructor in mathematics and physics. He was promoted to assistant professor of mathematics in 1951 and to associate professor of mathematics in 1960. For the past seven years, Cowan also has served as scheduling officer at the DuBois Campus.

A leading scholar in medieval history and the author of seven books in this field, **Dr. Joseph H. Dahmus** is retiring as professor of history after 27 years of service. Dr. Dahmus, who has been given emeritus status, came to Penn State after teaching at Aquinas College in Grand Rapids, Mich., at the College of Mount St. Vincent in New York City, and at St. John's University in Brooklyn. Born in St. Maurice, Ind., he received a B.A. degree from Josephinum College. His M.A. in classics was awarded by St. Louis University, and his Ph.D. in history by the University of Illinois.

The author of some 50 book reviews and a number of articles in professional journals, Dr. Dahmus published his first book in 1950. It was "The Metropolitan Visitations of William Courtenay." His second book, "The Prosecution of John Wyclif," appeared two years later and was reprinted in 1970 as an Archeon Book. He wrote "A History of Medieval Civilization" in 1964 and "William Courtenay, Archbishop of Canterbury, 1381-1396" in 1966. One of Dr. Dahmus's most popular books was "Seven Medieval Kings," published in 1967. "The Middle Ages: A Popular History" came out in 1969 and "Seven Medieval Queens" in 1972. The number "seven"

was selected by Dr. Dahmus, he explains, because it was held sacred in the Middle Ages. He used it again in a book now in press, "Seven Medieval Historians." He has a ninth book also in press, "Medieval Encyclopedia."

During his years at Penn State, Dr. Dahmus served on numerous department and college committees and organized and directed the Medieval Studies Program from 1965 to 1972. He was also named a Senior Fellow of the Institute for the Arts and Humanistic Studies.

The trustees of the University have approved the rank of professor emerita of child development for **Dr. Irene E. Harms**. Dr. Harms, who joined the faculty in 1957, will retire July 1. A graduate of Washington State University, she received her M.A. and Ph.D. in child psychology from the State University of Iowa.

At Penn State, Dr. Harms has specialized in infant development, supervised the care of babies in the home management houses, and has been responsible for developing and implementing undergraduate and graduate courses in this area of study.

Kenneth L. Holderman, vice president for Commonwealth Campuses, will retire July 1, completing 33 years at the University. Trustees of the University have approved the rank of vice president for Commonwealth Campuses emeritus and professor emeritus of engineering for him. An alumnus of the University, having earned a B.S. in architecture in 1931, Mr. Holderman was engaged in residential and commercial design in Los Angeles, Calif., and later served in the engineering offices of Douglas Aircraft Co. before returning to Penn State.

Appointed to the staff of the Department of Engineering Extension in 1941, he was responsible for course coordination and supervision of all work in engineering graphics conducted by the University during the war years under the Engineering, Science, and Management War Training Program.

He served as director of the department from 1949 to 1956 when he was appointed assistant dean of the College of Engineering and Architecture. He remained in that post until his appointment in 1959 as coordinator of the Commonwealth Campus System. Designated director of Commonwealth Campuses in 1964, Mr. Holderman was named vice president for Commonwealth Campuses in 1970. He has been active in the American Society for Engineering Education and also served as secretary and chairman of the Engineering Extension Section of the American Association of Land-Grant Colleges and State Universities. In 1969, he was presented the James H. McGraw Award in Technical Institute Education. Last year he received the John E. Wilkinson Award for Administrative Excellence "presented annually to an administrator at The Pennsylvania State University for outstanding achievement in the administrative field."

In retirement, he expects to maintain a long and intense interest in all sports of the University. As an undergraduate, Mr. Holderman broadcast the first Nittany Lion football game from Beaver Field in 1928 and originated the "TV Quarterback" program with former Coach Rip Engle in 1962.

Albert J. Magnotta, associate professor of engineering at the Worthington Scranton Campus, will retire on July 1. Recipient of the Penn State Engineering Society's "Outstanding Adviser Award for 1968," he began his educational career in 1934 as an instructor in drafting and mathematics with the Scranton School District. He joined the Worthington Scranton faculty in 1958 as an assistant professor and was promoted to associate professor in 1965. He served as group leader of the Mechanical Engineering Technology Program until 1973 when he became group leader of the Architectural Engineering Technology Program, a program he instituted at the Campus. A graduate of Central High School, Scranton, Magnotta received his bachelor of science degree in architectural engineering from Penn State and a master's degree in edu-

cation. He has served as a member of the University Faculty Senate, chairman of the faculty at the Worthington Scranton Campus, and on numerous campus committees.

Dr. William R. Mills will have completed 34 years on the faculty when he retires July 1 as professor emeritus of plant pathology. Early in his career, Dr. Mills began to focus his research on the potato, and he has acquired an international reputation for his contributions to the breeding of potatoes and control of their diseases. One of his particular interests has been in developing the best kinds of potatoes for use in the potato chip industry.

A native of Fillmore, N.Y., Dr. Mills received his B.S. from Cornell in 1931. While still a Ph.D. candidate, he spent two years as chief of the Section of Genetics at the Instituto de Pesquisas Agronomicas in Recife, Pernambuco, Brazil, before there were any formal programs of cooperation with the United States. After receiving his Ph.D. from Cornell in 1939, he remained there as a research assistant in plant pathology until he joined the Penn State faculty in 1941.

During his tenure at the University, Dr. Mills traveled to several countries of Latin America to study and consult on potato-growing problems. For nearly 20 years, he represented the northeast section of the Potato Introduction Station at Sturgeon Bay, Wisc., a national repository for various wild species of potatoes used for research and selection. In 1971 the Potato Association of America conferred upon Dr. Mills its highest honor, Honorary Life Membership, for his contributions to the potato industry.

Margaret G. Sheridan, associate professor of English at the Altoona Campus, has retired with 14 years of service. She joined the faculty in 1960 as instructor, was named assistant professor in 1964, and associate professor last year. Her husband, Dr. Laurence Sheridan, retired as associate professor of mathematics last year. She had a career as a singer, music teacher, and professor of English and humanities, serving at one point as assistant to the president of American University in the preparation of a new English-humanities curriculum. She also conducted music therapy experiments in an Army rehabilitation program while in Washington.

Glenn N. Thiel, professor of physical education and assistant to Dean Robert J. Scannell, is retiring after 40 years at the University. Thiel came to Penn State in 1934 as head lacrosse coach, having earned All-American honors in the sport himself in 1932 and 1933 at Syracuse, where he obtained his degree in industrial engineering. His teams chalked up 86 wins during

the next 22 years and produced three All-Americans. Thiel also coached the National team in three North-South All-Star Games and was twice named "Man Who Did the Most for Lacrosse" by the U.S. Intercollegiate Lacrosse Association.

Since giving up coaching in 1956, Thiel has helped build facilities and programs for the College of Health, Physical Education and Recreation, coordinating the new additions to Recreation Bldg., the moving of Beaver Field, the construction of the Natatorium and outdoor swimming pool, and the planning and installation of the Astorfield field. He also played an important part in the building of the new Pavilion, the football team room, the indoor tennis building, and the intramural fields.

Dr. Winston R. Weisman, research professor of art history, will retire on July 1 with emeritus status after 21 years of service. Dr. Weisman, who is also a Senior Fellow of the Institute for the Arts and Humanistic Studies, served as head of the Department of Art History from 1958 to 1971. During his tenure, the Department instituted a master's and doctoral program and established a Center for the Study of Renaissance and Baroque Art.

A native of New York, N.Y., Dr. Weisman earned a B.A. in journalism at Ohio University and an M.A. in fine arts from the Institute of Fine Arts at New York University. He obtained his Ph.D. in fine arts from Ohio State. He has written and lectured both in this country and abroad on his special areas of interest, the history of commercial architecture and the development of the skyscraper in America. In recent years, he has devoted much of his attention to the cast iron buildings which preceded the skyscrapers.

He was instrumental in efforts to preserve New York's SoHo District, a 35-block area in lower Manhattan considered one of the greatest cast iron museums in existence. The site has now been designated as an historic area by the Landmark Preservation Commission of New York. Under Dr. Weisman's direction, a group of Penn State students produced a lengthy documented study of SoHo, which forms the basis for the Commission's final designation report. Among his other contributions was the authorship of an essay, "A New View of Skyscraper History," one of four specially commissioned for a book, "The Rise of American Architecture," published as part of the 100th anniversary celebration of the Metropolitan Museum of Art in New York. He is currently preparing a history of the skyscraper and one dealing with cast iron architecture in New York. This summer, he plans to travel through Europe continuing an investigation which he began some five years ago into a form of architecture which is rarely studied — buildings used for commercial and industry from ancient times onward.



Chesler K. Reuckert, Jr., president of the Behrend College Advisory Board, presents the Board's "Excellence in Teaching" Award to Dr. Mary G. Chisholm, assistant professor of chemistry, during commencement exercises while Dr. Theodor Fox, dean of faculty, looks on. Dr. Chisholm, whose husband, Bernard, is assistant professor of physics at Behrend, has played a major role in development of the College's organic chemistry program and serves as advisor to pre-med students. She was chairman of the campus development committee and presently is a member of the Behrend College Faculty Senate.



BARRY S. BRINSMAID, associate professor of music at the University, is congratulated by Dean Walter M. Walters on the receipt of his 25-year service award. Robert W. Baskley, professor and head of the department of music, is at right. Brinsmaid, who has appeared as a pianist before countless University and town audiences, came to Penn State in 1949. He earned his B.S. in music at Johns College and his M.A. in music and music education at Columbia University. Before joining the faculty, he taught grade school and junior high music in Clinton, N.Y.

News in brief

TEACHING AWARD

Dr. Thomas J. Knight, associate professor of social science and history at Capital Campus, received the third annual James A. Jordan, Jr., Memorial Award for Teaching Excellence at commencement exercises in Middletown.

The award, which is presented to the faculty member students select as the most effective teacher-educator, honors Dr. Jordan, a former professor at Capital who died in a boating accident.

A native of Texas, Dr. Knight joined the faculty at Capital in 1968, after teaching at Michigan State University and the University of Nebraska. He earned his Ph.D. in European history at the University of Texas.

DENGLER PRIZE

William M. Murray, of State College, was awarded the first annual Robert E. Dengler Memorial Classics Prize at the University. A history major, who will begin graduate study in archaeology and history at the University of Pennsylvania next fall, he is the son of Dr. Robert K. Murray, professor of American history here. The Dengler Prize is named to honor the University's former head of classics who died last September. Dr. Dengler had been a member of the faculty for 35 years when he retired in 1955. Recipients will be selected from the general area of classical studies. Contributions for the prize fund were collected on campus and from friends and former students of Dr. Dengler's.

RESIDENCY APPROVED

A residency program in otorhinolaryngology (ear, nose and throat) at Hershey Medical Center has been approved by the Residency Review Committee representing the American Board of Otorhinolaryngology of the American College of Surgery and the Council on Medical Education of the American Medical Association. The three-year program will train physicians to become specialists in the diagnosis, treatment and rehabilitation of patients with diseases and injuries of the head and neck, ear, nose and throat.

LIBRARIES' HOURS

The branch undergraduate libraries are now on the following summer schedule. The Pollock-South branch is open from 9 a.m. to 5 p.m. Monday through Friday. The East branch in the basement of Findlay Union Building is open from 5 p.m. to 12 midnight Monday through Friday; 9 a.m. to 5 p.m., Saturday; 1 p.m. to 12 midnight, Sunday.

COPIES AVAILABLE

Copies of the University's 1974-75 State Appropriation Request have been placed in Pattee Library for the information of faculty, staff, and students. The statement was prepared for the Appropriation Committee of the Commonwealth's House of Representatives and Senate.

NSF GRANT MADE

The National Science Foundation (NSF) has awarded a \$242,800 grant to the Materials Research Laboratory to expand its program in ceramic and luminescent materials. The grant, effective May 15, was made under the NSF's Materials Research Laboratory Program and brings to 15 the number of such NSF-funded centers at universities throughout the country. Such centers provide researchers with central experimental facilities normally not available to individual investigators. Developed by the University during the past 2 years, Penn State's Materials Research Laboratory, directed by Dr. Rustum Roy, professor of the solid state, is unique among the laboratories at major universities in having had no block funding so far. It is also distinguished by the fact that it has emphasized the study of non-metallic materials, especially their preparation and characterization.

BUILDING CITED

The new physical education building at the Ogonitz Campus has been cited in the May issue of "Progressive Architecture." In an article entitled "The Fifth Facade in Abington," David Morton, senior editor, describes the new structure and how site location and modification of its roof structure brought it more into scale with smaller buildings on the campus. The \$1.8 million General State Authority structure, which was dedicated May 4, contains a 40,000 square foot gymnasium, an auxiliary gymnasium, classrooms, faculty offices and locker rooms.

SERVICE STOPPED

As a result of financial exigencies, Pattee Library will no longer be able to provide book delivery service to faculty after June 11, 1974. Accordingly, all library materials will have to be picked up and returned to the library in person. The decision to end this service was made in light of the need to establish basic priorities of service within limited budgetary conditions.

SIMMONS AWARD

Rita C. Brown, of Huntingdon Valley, received the Simmons Award in Teaching from the University. A graduating senior who majored in German with a teaching option, Miss Brown was also elected to Phi Beta Kappa, national scholastic honorary society. Her award is named for the late Dr. Lucretia Van Tuij Simmons, who served as head of the Department of German at Penn State from 1919 to 1939.

CAPITOL EXHIBIT

Faculty and student works of art — photography, decoupage, collage, free-hand drawing, silhouettes, and paintings in various media — are on display at the Capitol Campus, in an annual art show that was part of the spring music/art festival on campus. The exhibit continues until June 15.

Building changes

Changes in the University's physical plant were approved by the Trustees at their May meeting.

The former Sigma Chi fraternity building, located at Pollock and Burrows Roads, will be demolished. Built in 1905, the four-story brick structure was vacated in 1972 by the chapter because it was considered unsuitable for occupancy by a fraternity. After study, the University found that very extensive and costly alterations would be necessary to make the building comply with safety codes.

Preliminary plans for an addition to the Helen Eakin Eisenhower Chapel were approved. Located to the west of the existing building, the structure will have meeting rooms, a lounge area, and offices, as well as a large multi-purpose room. Funds to build the addition have been provided by gifts from friends of the Eisenhower family.

Also approved were preliminary plans for a business services building, to be constructed west of the Air National Guard Armory. It will provide facilities for such activities as printing, addressing, and mail services. Earnings from the auxiliary enterprise functions of the building will finance the project.

A new cardiovascular research laboratory will be built at Hershey. The unit, an enlargement of the facilities for work with large animals, will be financed in part by a \$350,000 grant from the Kresge Foundation, as well as by funds from grants, contracts and other sources.

Bernlohr head

Dr. Robert W. Bernlohr, professor in the departments of microbiology and biochemistry at the Medical School of the University of Minnesota, has been appointed professor and head of the department of microbiology, effective Sept. 1.

Dr. Eugene H. Cota-Robles, who had headed the department, resigned last year to become vice-chancellor at the University of California at Santa Cruz.

Dr. Bernlohr joined the Minnesota faculty in 1962. Prior to that he was assistant professor of agricultural biochemistry at Ohio State University.

He is a graduate of Capital University, where he earned a B.S. in chemistry. His Ph.D. in biochemistry was conferred by Ohio State. In 1968, he was associated with the Molecular Biology Institute of the University of California at Los Angeles, and in 1971-72 he was with Minnesota's department of pediatrics.

Dr. Bernlohr, who has written some 50 papers and a number of reviews and abstracts, is an editor of a book, "Enzyme Replacement in Genetic Disease," published by the National Foundation-March of Dimes in 1973. He has served as a member of the editorial board of the "Journal of Bacteriology" since 1965, and for three years he was a member of the advisory panel for the Metabolic Biology Program of the National Science Foundation.

Senate contributions

(Continued from page 1)

Third, but not last, is the report of the Joint Senate Administrative Select Committee on Faculty Participation in University Governance. Here a joint committee of the Senate and the President looked at all the aspects of faculty governance and produced an excellent report. I have charged as per your request, the Senate Committee on Committees and Rules to start implementation of the various items pertaining to the Senate. The President submitted the report to the Board of Trustees, and I am sure that soon he will be ready for some implementations; the next Senate Chairman and the President have to work together to take care of the joint items. This report, in essence, has my wholehearted support, because something had to be done to get a smoother operation going. As a matter of fact, a subcommittee of the Senate Council has started already to investigate better publicity for the Senate and better information for the faculty at large.

Furthermore, an External Degrees Committee was created. IRC was busy with reviewing Faculty Organization Constitutions and Bylaws for recommendations to the Senate and the President for approval. So far 15, or about 50 percent of all the units, have approved Constitutions and Bylaws. This Committee also prepared legislation for Criteria and Procedures for Delegation of Authority and Responsibility to these organizations which was passed by the Senate.

A permanent Subcommittee of the Academic Affairs Committee on Student Evaluation was established after the Senate turned down the student evaluation proposal. I would like to reiterate that this student evaluation was not turned down because the faculty does not want to be evaluated. It was turned down because the faculty was not satisfied with the instrument of evaluation; and since these evaluation forms may be used for other purposes, the faculty felt that it should be in a manner with which the faculty, as well as the students, can live.

Credit Acquisition was reviewed, defined, revised, and extended. Seventy-five of some 120 student rules were revised, updated, and sent to the printer. But still quite a bit of revision and updating is left for the coming year.

The Technological Concept was dropped from the Baccalaureate Degree Requirements.

A Capitol Campus Review Committee was established and performed its task with a report coming before the Senate at the next meeting.

The Faculty Affairs Committee had a busy year, and a subcommittee is working right now on an Academic Ranks and Tenure proposal, which should be completed before Fall Term.

An External Affairs Committee was created to act as liaison with the world outside the confines of this University.

Furthermore, the Curricular Affairs Committee reviewed literally hundreds of courses.

Being a member of the University Promotions Committee and the Sabbatical Leave Committee was a real eye-opener. I wish each of you could serve on these committees. You can be assured that everything went fairly and squarely and everybody got a just deal. Sometimes, however, I wondered if this was also the case before these committees received the recommendations from colleges and campuses. If my suggestion to look into this after the new Rank and Tenure proposal has been accepted.

We have a great University, but this doesn't mean that it couldn't stand improvement here and there. One of our big problems is keeping information flowing in both directions between our top administrators and the faculty. There is a seemingly impervious layer of people in between who, thinking they are doing the best for the University, actually only foster their selfish interests. In agricultural land we call this a claypan or hardpan, which prevents water flow or root penetration. Research in North Africa has shown that charges of dynamite will bring about flow in either direction. While I do not advocate dynamite in our case, I would like to see some new means taken to correct this situation.

You undergraduate students, who are always so much interested in what the faculty is doing in the various committees or the Senate as a whole, perhaps the first step you should take is helping us in getting our story into the "Collegeian." I failed to get this accomplished in the past year, and I hope you will take it upon you to do so.

For two years now we have had problems with the election of graduate student Senators because there seemed to be apathy on the students' part to run for offices in spite of the fine work done by those in charge. I cannot understand why the Senate is so adamant in asking for College representation. We could overcome this annual problem by just asking for four elected graduate student Senators and let them worry about representation.

Last year the proposal of making the Vice-Chairman the Chairman-elect was defeated, and I too voted against the proposal. I hope when this proposal comes back to the Senate, as based on the Governance Report, you will see fit to support it and amend it if necessary until we have what we really need, because continually is essential.

Promotion list

(Continued from page 1)

Dr. Richard W. Scholz, veterinary science
Carolyn R. Schrock, home management
extension
Dr. John S. Shenk, plant breeding
Dr. George E. Slater, petroleum and natural
gas engineering
Dr. Zane Smiowitz, entomology
Dr. John B. Smith, English
James E. Stenposen, Jr., art
Frank J. Swetz, mathematics and education
(Capitol)
Dr. Duane L. Thomas, physical education
(Mont Alto)
Dr. Brian J. Turner, forest management
Dr. G. Frank Tyers, surgery (Hershey)
Dr. Rajaram Venkataramani, mining
engineering
John C. Villamea, business administration
(Worthington Scranton)
Dr. Narayanasamy Viswanathan, chemistry
(Fayette)
Dr. Walter B. Weimer, psychology
Ruth A. Wilson, clothing extension
Dr. John J. Zavodni, zoology (McKeesport)

TO SENIOR RESEARCH ASSOCIATE

Dr. Leon H. Sibul

TO ASSOCIATE LIBRARIAN

Joanne D. Baugh (Fayette)
Allen Cohen
Mary F. Ferry (Hazleton)
Albert J. Miller (New Kensington)
RUBY M. MILLER

TO ASSISTANT PROFESSOR

Richard N. Barshting, mathematics
(Worthington Scranton)
Dr. Robert L. Barton, family and community
medicine (Hershey)
Peter J. Behrens, psychology (Allentown)
James D. Beneshoff, music
Rita G. Blatt, chemistry (Capitol)
George J. Calvi, engineering (Hazleton)
Bernard R. Campbell, engineering (Altoona)
Annette L. Caruso, physical education
(Gontz)
Shih-Yung Chung, mathematics (Behrend)
Edward J. Cory, vocational education
Anthony R. Curtis, journalism
Amada S. DeFrancesco, physical education
Samuel C. DeWald, management develop-
ment (Berks)
Dr. Barry H. Dvorchik, obstetrics and
gynecology and pharmacology (Hershey)
Sonja J. Eilenberger, German (Behrend)
Harry F. Felton, physical education
(Worthington Scranton)
Virginia L. Fortney, physical education
George W. Franz, history (Delaware
County)

Calendar

SPECIAL EVENTS

Friday, June 14 — Commonsplace Coffee-
house, 8 p.m., Room 102 Kern. Featuring
"Lohlorien."

Friday, June 21 — Commonsplace Coffee-
house, 8 p.m., Room 102 Kern. Featuring
"David Martin" and "1898."

FILMS

Friday-Sunday, June 14-16 — Commons-
place Theatre, "Five Easy Pieces," 7
and 9 p.m., Room 112 Kern.

Monday, June 17 — Commons Midday Cin-
ema, "Room to Breathe," documentary on
the Toxics Flood Project.

Monday, June 21 — Commonsplace The-
atre, "1984" and "Animal
Farm," 7 and 9 p.m., Room 112 Kern.

SEMINARS

Thursday, June 13 — Microbiology, 1 p.m.,
Room S2 Frear. John Larenzo, Packard
Instrument Co. representative, on "Basic
Isotope Counting."

Monday, June 17 — Microbiology, 4 p.m.,
Room S2 Frear. Sylvia M. Stein on
"Arginine-rich Protein and Cell Surface
Mediated Growth Control."

MEETINGS

Monday, June 17 — O.T.I.S., 9 a.m.-5:30
p.m., Room 213 HUB.
Monday, June 17 — Bridge Club, 6:45
p.m., HUB ballroom.

OFFICIAL

Friday, June 21 — Add deadline.

EXHIBITS

Kern Gallery — Anthropology Department
exhibit, cases. Patty Carroll, photo-
graphy, through June 15. LaVern Grant,
oil and sculpture, opening June 16.
Charles Hoot, photography, opening June
23.

Museum of Art — Quilts, Gallery B. Selections
from the Permanent Collection,
Galleries A and C.

David P. Giersch, music (Behrend)
Thomas A. Hale, French and comparative
literature

Elizabeth A. Hanley, physical education
Patricia S. Heigel, physical education
Mary W. Helder, English (Berks)
Dr. Marshall A. Hersheng, political science
(Fayette)

Robert Hyde, physics (Worthington
Scranton)

Margaret E. Jennings, physical education
(Gontz)

Daniel R. Jones, landscape architecture
Joseph A. Jumper, music (Hershey)
James A. Karwowski, physical education
(Beaver)

Norman L. Knaub, economics (Altoona)
Catherine M. Lynch, English (McKeesport)

Catherine D. Major, history (Fayette)
Marlin D. Matkin, physical education (Al-
lenton)

Dr. Willard M. Martin, German
Dr. John P. McNavage, Jr., English (New
Kensington)

John M. McVoy, mathematics (Gontz)
Bonnie L. Metzger, nursing
Lajos I. Mihalicovs, physical education
(York)

Dr. George R. Neumann, economics
Joseph J. Perkowski, engineering (Wilkes-
Barre)

Robert W. Phillips, physical education
Clifford O. Pope, Jr., mathematics (Berks)
Dr. Steven L. Quattropani, obstetrics and
gynecology and anatomy (Hershey)

Dr. Donald E. Ramets, physiology
(Hershey)

Josephine E. Sagebeer, nursing
Robert B. Sharps, education (Delaware
County)

John J. Soladay, economics
Jeffrey C. Steinbrink, English (Behrend)
Barbara A. Thierien, nursing

James Tawers, nursing (Hershey)
Howard T. Wilson, engineering (Behrend)
Anne H. Zdanowski, music (Altoona)

Eric J. Zanot, advertising
Roger Zellner, art (Altoona)

TO RESEARCH ASSOCIATE

Dr. Dallas M. Purnell, pathology (Hershey)
TO SENIOR ASSISTANT LIBRARIAN

Frances R. Cable
Richard J. Fitzsimmons (Worthington
Scranton)
Stella P. Hsu
Mark E. Kovaic
Margaret S. LeSourd
Robert L. Levine (Capitol)
A. Carolyn Miller (Capitol)
Ronald J. Salinger (Capitol)
Ruth A. Steele (Beaver)

Campuses name five to posts

Five new appointments have been made
to the administrative staff of the Common-
wealth Campus system.

Joseph F. Douglas, associate professor
of engineering at York, was named associ-
ate dean of academic instruction for Com-
monwealth Campuses, while John V. Cooney,
formerly acting director at Allentown,
will become director of that Campus.

In addition, three associate directors for
academic affairs have been appointed. They
are Dr. Richard J. Thomas, McKeesport;
Dr. Robert D. Arubckle, New Kensington;
and Dr. Wayne D. Lammie, Shenango Valley.

A member of the faculty since 1966,
Professor Douglas received the Christian
R. and Mary F. Lindback Award for Dis-
tinguished Teaching in 1972.

His B.S. in electrical engineering was
granted by Purdue and his M.S. in the same
field by the University of Missouri. He has
held jobs with Government and industry as
well as an associate professorship at
Southern University.

Cooney obtained both his degrees from
Penn State, a B.S. in physics and M.E. in
engineering science. He joined the Allentown
town faculty in 1965 and also served as
dean of student affairs there.

Dr. Thomas, chairman of the department
of history at Baldwin-Wallace College,
earned his B.A. in history at Syracuse, his
M.A. in American history from Wayne State,
and a Ph.D., also in American history, from
Indiana University.

Dr. Arubckle, presently serving as as-
sistant professor of history at New Ken-
sington, is a graduate of Clarion State Col-
lege. He received his M.A. and Ph.D. in
history from Penn State.

A graduate of Muskingum College, Dr.
Lammie received his M.A. in history from
the University of Pittsburgh and a Ph.D.,
also in history, from Ohio State. He has
been at Shenango Valley since 1966.

New model calculators ready

During the past academic year Listening-Learning Services operated an elec-
tronic desk calculator laboratory in Room
6 Sparks Building on an experimental basis.
The extensive use of these older calculators
led to the purchase of the latest model
series of calculators in both the statistical
and scientific versions. The new machines
are being installed in Rooms 6 and 7
Sparks Building and are ready for use at
the beginning of Summer Term.

The Monroe, Model 1920, is designed
to perform automatic statistical functions,
including statistical summations of X
paired data and single-variable (grouped or
ungrouped) data summations. Upon com-
pletion of summations, single key depres-
sions will produce standard deviation,
mean, standard error of the mean, cor-
relation coefficient, slope, intercept, t-
dependent and t-independent statistics.
This same calculator also has other sta-
tistical functions for chi-square, F, t-dis-
tributions, permutations and/or combina-
tions, common and natural logarithms,
square root, reciprocal, number to a power,
and factorials.

The Monroe, Model 1920, is designed
principally for engineering and scientific
calculations. Instead of statistical capabili-
ties, the 1920 has Tan, Cos, Sin, and the
inverse of these functions. This model also
features degrees, minutes and seconds
conversion to decimal, and decimal de-

Tuition, housing charges raised

Increases in tuition as well as room and
board charges, both effective with the Fall
Term, have been approved by the Board of
Trustees.

The tuition increase amounts to \$20 per
term or \$60 for an academic year for stu-
dents at the University Park Campus and
half of that amount for students at the
Commonwealth Campuses. The new rates
bring tuition at University Park to \$960 per
academic year and at the Commonwealth
Campuses to \$915 per year for Pennsylv-
ania residents. Tuition for all non-Pennsylv-
ania students at all campuses will be
\$2160 per academic year.

An increase of \$65 per term for Pennsylv-
anians enrolled as medical students at
Hershey Medical Center has been ap-
proved, bringing tuition to \$1,500 per ac-
ademic year. The increase for non-Pennsylv-
ania students in the medical program will
be \$130 per term bringing tuition to \$3,000
per year. An increase of \$20 per term was
approved for all non-medical students at
the Medical Center, bringing tuition for
non-medical students there to \$960 for
Pennsylvania residents and \$2,160 for out-
of-state residents.

President Oswald noted the increases
were made "with great reluctance."

At the same time, he said, "The Univer-
sity has been under continuing pressure
to raise its tuition to the \$1,000 level re-
commended by the State Master Plan for
all three Commonwealth Universities. We
have consistently resisted the pressure to
move too rapidly to that amount and have
insisted upon keeping annual increases
moderate in order to avoid undue hard-

Stewart asked to head new study

The Association of Departments of Eng-
lish has asked Dr. David H. Stewart, pro-
fessor and head of the department of
English, to conduct a second national study
for the group.

Dr. Stewart previously served as chair-
man of the ADE Workload Committee,
which prepared a statement on "Class
Size and Workload for College and Univer-
sity Teachers of English."

The new study will survey the profession
to determine its compliance with the rec-
ommended workloads. Universities, four-
year colleges, and junior and community
colleges throughout the country will be
asked about workloads actually in existence
and the problems confronting department
administrators.

Results of the studies are sent to every
chapter of English in higher education in the
United States.

Commenting on the first study, Elizabeth
Wooten, director of English programs for
the Modern Language Association and ADE
coordinator, said: "We feel that this state-
ment will become a touchstone for de-
partment planning; according to all reports
at our national office, the profession is

grees to degrees, minutes, and seconds,
automatically. It also performs rectangular
to polar coordinate conversion and polar
to rectangular coordinate conversion. The
1920 calculates in either degrees, radians,
or grads, and is also capable of intercon-
version between degrees, radians, and
grads.

Both the 1930 and 1920 models have
simple algebraic operation, triple nesting
of parenthesis keys, and ten data storage
registers. Operation of these calculators
is relatively simple.

These calculators are available for use
at a very low cost, by faculty and students
on a University-wide basis. They may be
used for class meetings or individual study,
however, the former will be given first
priority. To allow sufficient time for pur-
chasing and distributing schedules, instructors
wishing to schedule the thirty-two stations
in 7 Sparks for group meetings should con-
tact Listening-Learning Services as soon
as possible, preferably at least one week in
advance.

Rooms 6 and 7 Sparks will be open
Monday through Friday 8:00-12:00 and 1:00-
5:00. The rooms will also be open on
evening 7:00-9:30, except Friday and Sat-
urday.

On Monday, June 17, and Tuesday, June
18, a Monroe representative will be in 7
Sparks from 7:30 to 8:30 p.m. to in-
dicate those interested in using the calculators.

ships on individual students and their pa-
rents during their four years of enrollment.
The 1974-75 appropriation request includes
what is hoped will be the final step toward
tuition equalization with other Commop-
wealth Universities."

The increase for room and board amounts
to \$18 per term or \$54 per academic year
for the combined room and board services.
This will bring the charge for a typical
double room accommodation to \$415 per
term or \$1,239 for an academic year. Rates
for different types of rooms vary slightly
with the type of accommodations provided.

Housing and food service facilities are
operated on a self-sustaining basis, and
all costs must be met from charges to
students living in the facilities.

The tuition increases also apply to part-
time and continuing education students.

Rates for Pennsylvania students carrying
seven or fewer credit hours were increased
by \$3 per credit hour at University Park
and \$2 per credit hour at other Campuses
for an overall rate of \$40 per credit hour
at University Park and \$35 at Commonwealth
Campuses for Pennsylvania students. Out-
of-state rates will be \$91 per credit hour.

Continuing Education course increases
of \$3 per credit at University Park and \$2
per credit at other locations were approved
for Pennsylvania residents, bringing fees
to \$40 and \$35 per credit, while for non-
Pennsylvanians the increase was \$3 per
credit to bring the new rate per credit to
\$91. Unit course increases of \$2 also were
approved to \$23 per unit for Pennsylvania
students and \$54 per unit for non-Pennsylv-
ania students.

desperate for such a document."

Guidelines for maximum workload and
class size in English during the 1970's in-
clude:

—College teachers should spend no more
than 12 hours per week per semester in
the classroom in undergraduate instruction
exclusively and no more than nine hours
per week in graduate instruction.

—They should teach no more than 25
students per section nor more than three
sections per semester of composition and
even smaller remedial or advanced crea-
tive writing sections.

—They should not be restricted to teach-
ing several sections of the same course nor
have to prepare more than three dif-
ferent courses in a semester.

—Literature courses should enroll no
more than 35 students. If large lecture
courses are necessary, a teacher should
have an assistant for each additional set
of students to help evaluate written assign-
ments.

—If teachers are assigned major ad-
ministrative duties, they should teach a
reduced weekly load.

PENN STATE intercom

Volume 3, Number 40

June 20, 1974

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule



Dr. W. L. Ferrara

Ferrara named Faculty Fellow

Dr. William L. Ferrara, professor of accounting, has been named a Price Waterhouse Faculty Fellow in the College of Business Administration.

The appointment, made by President John W. Oswald, on the nomination of Dr. Eugene J. Kelley, dean, and colleagues in the College of Business Administration, is the first to be made since the Trustees of the University on May 31 established the position of faculty fellow, as well as chairs and professorships supported by special grants from benefactors as a means to give special recognition and support to distinguished faculty members of the University.

The designation for Dr. Ferrara, who continues also as professor of accounting, is for a five-year period.

In making the appointment, Dr. Oswald complimented Dr. Ferrara "on having achieved the high level of excellence in your scholarly activities that has resulted in your colleagues and the University desiring to honor you as the first Faculty Fellow at The Pennsylvania State University."

He also expressed his appreciation to Dean Kelley and to Price Waterhouse for the efforts that they have given in promoting and supporting this means for providing special recognition and support for distinguished Penn State faculty.

Dr. Ferrara, who came to Penn State in 1962 after teaching at the University of Illinois and Michigan State University and serving with a certified public accounting firm in East Lansing, Mich., is a graduate of DePaul University, Chicago, Ill. His master of arts and doctor of philosophy degrees were conferred by Michigan State. In 1969 he was honored by DePaul University Alumni Association with the Distinguished Achievement Award.

Invention

Dr. Donald R. Olson, professor of mechanical engineering and a member of the Staff of the Applied Research Laboratory at the University, has invented a chemical heat tube for which a patent has been granted. The device is used for producing high amounts of heat without excessive pressure rises.

Academic programs announced by Trustees

Four new options for the University's academic program have won approval from the Board of Trustees. Areas affected are landscape architecture, vocational education, and industrial arts education.

A five-year Bachelor of Landscape Architecture degree for students desiring to enter professional practice will now be offered to provide an alternative within the Landscape Architecture program, where the four-year bachelor of science degree will continue to be available.

Under the new curriculum, students can graduate after four years with a B.S. and enter graduate school. If they want to go into professional practice following graduation, they would continue into the fifth year

and receive a bachelor of landscape architecture degree.

"This curriculum," according to Dr. Robert E. Dunham, vice president for undergraduate studies, "permits students with financial hardships as well as those who are undecided the option of taking a bachelor of science degree in four years and working in the field until they are prepared to or desire to complete a professional degree program."

A new intercollegiate program leading to the doctor's degree in vocational education has also been established.

Designed to prepare candidates for leadership in comprehensive technical vocational education, the program offers op-

tions leading to either the doctor of philosophy or the doctor of education degree.

At present, doctoral options are available in each of three areas of vocational education: agricultural education, in the College of Agriculture; and home economics education and vocational industrial education, in the College of Education. These, as well as master's degree programs, will continue to be offered.

The new program has arisen in response to guidance from three sources: faculty students, and the State Department of Education, which support the new direction of the offering because of emerging changes in the field of vocational education.

Master's and doctor's degrees in academic curriculum and instruction will now be offered by the College of Education in place of the advanced degrees in elementary, secondary and industrial arts education now in effect.

Combining the degrees into one focus — academic curriculum and instruction — would align the advanced degree offerings with the organizational changes effected in the College of Education in 1971, when the Division of Academic Curriculum and Instruction was created and the Departments of Elementary and Secondary Education eliminated.

The chief rationale for the change is that the separation of teacher training programs into elementary and secondary levels has no current functional validity since public schools are no longer simply grade schools or high schools but embrace a wider variety.

Moreover, within what have traditionally been called secondary programs, the training of teachers has followed broad disciplinary lines — mathematics, science, language, etc. — rather than the methodological distinction between teaching elementary versus secondary children.

Penn State Foundation redesignated

Gifts, Endowments office approved

A re-emphasis of Penn State's program to obtain private gifts and grants to enrich the University's educational programs was signaled recently in the redesignation of the Penn State Foundation as the Office of Gifts and Endowments.

The change was recommended to the Board of Trustees by President Oswald to provide clearer identification of the University's fund-raising effort. The Penn State Fund is being established as the vehicle encompassing all private and alumni fund-raising and will incorporate the present Alumni Fund. As a major advisory group to the Trustees and the President in regard to its program of gifts and endowments, a new Penn State Fund Council will be established. The present members of the Foundation Board will become the nucleus of this Council together with other

alumni and friends of Penn State experienced in finance and fund-raising.

As in the past, funds from undesignated gifts to the University will be used to respond to proposals from members of the University community to enrich existing educational programs and to serve as seed money to launch new ventures.

During the 22-year history of Penn State's private fund-raising efforts, undesignated funds have sparked a variety of educational innovations, President Oswald said.

Charles Lupton, who has served as executive director of the Penn State Foundation for the past several years will direct the Office of Gifts and Endowments, and present staff members will be transferred to the new office.

Calendar — June 20-30

Official

Friday, June 21 — Deadline for adding courses.

Meeting

Monday, June 24 — O.T.S.I., 9 a.m. to 5:30 p.m., Room 213 HUB.

Exhibits

Museum of Art — American Quilts, Gallery C, through June 23. Selections from the Permanent Collection, Gallery B and Gallery A (through June 23). Milton Osborne Drawings, Gallery A, opening June 30.

Graduate Commons Gallery — LaVern Grant, oils and sculpture, Charles Holt, photography, opening June 23.

Pattie Library, Rare Books Room — "The Romantic Movement in Literature and the Arts."

SPECIAL EVENTS

Thursday, June 20 — Enter teams for men's softball (fast and slow pitch) and basketball leagues for summer, Room 208 Recreation Bldg., by noon. Open to both undergraduate and graduate students.

Thursday, June 20 — Artists Series, Horror Classics Film Series, "Bride of Frankenstein," 9 p.m., Schwab.

Friday, June 21 — Commonsplace Coffeehouse, 8 p.m., Room 102 Kern. Featuring "David Martin" and "1898."

Saturday-Sunday, June 22-23 — Penn State Chess Tournament, Saturday at 10 a.m., 3 and 8 p.m., Sunday at 9 a.m. and 2 p.m., HUB.

Sunday, June 23 — Interlandia Folk Dance, 7:30 p.m., HUB ballroom and terrace.

Monday, June 24 — Duplicate Bridge, 6:45 p.m., HUB ballroom.

Wednesday, June 26 — Artists Series, Horror Classics Film Series, "The Body Snatchers," 9 p.m., Schwab.

Wednesday, June 26 — P.S.U. Sports Car Club, 7:30 p.m., Room 251 Willard.

Thursday, June 27 — Artists Series, Horror Classics Film Series, "Haunting," 9 p.m., Schwab.

Friday, June 28 — Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

Sunday, June 30 — Interlandia Folk Dance, 7:30 p.m., HUB ballroom and terrace.

Films

Thursday-Friday, June 20-21 — Commonsplace Theatre, "1984" and "Animal Farm," 8 p.m., Room 112 Kern.

Monday, June 24 — Commons Midway Cinema, "Selling of the Pentagon — Parts I and II," 12:30 p.m., Room 112 Kern.

Wednesday-Thursday, June 26-27 — Commonsplace Theatre, "Spacewalk to the Unknown," 8 and 10 p.m., Room 112 Kern.

Lectures

Dr. F. A. M. deHaan, Fulbright Visiting Scientist, soils and fertilizers, Agricultural University, Wageningen, The Netherlands, four lectures in Agronomy, 4 p.m., Room 301A.

Monday, June 24 — "Phosphate Removal from Sewage Water by Bonding in the Soil System."

Tuesday, June 25 — "Land Disposal of Potato Starch Processing Wastewater."

Wednesday, June 26 — "Anion Interactions with Soil Colloids."

Thursday, June 27 — "Heavy Metal Pollution of Soils in the Netherlands."

Capitol class designs park

A Graduate Program in Regional Planning at Capitol Campus has designed a unique, multi-purpose park for East Donegal Township in Maytown.

The Township Park Commission consulted a wide variety of local groups to learn the recreational needs of the community. The design of the park was then executed by Regional Planning Students at Capitol Campus under the direction of Dr. Francis Ferguson.

The 28-acre park, in addition to baseball and football fields, will have a special area for elderly people, a small children's playground, basketball and tennis courts, and a combination field and ice hockey area.

The plans also include an addition to the present fire house, a parking area and pavilion. A town hall and equipment garage are presently under consideration by the Township supervisors. On one quarter of the area, a residential development is proposed.

The Regional Planning Graduate Students designed the park to make the best use of open space, play areas and necessary facilities in order to serve the leisure time of the entire community.

The chief designers of the project were Thomas Glowacki and Anthony Kadysewski. They were assisted by Edward Chubb, Donald Hartman, Robert Korman, Barbara Long, John Petro, and Gregory Webb.

More retirements announced

Joseph A. E. Hindman, associate professor of engineering at the Ogontz Campus, will retire July 1. A graduate of the U.S. Naval Academy with a bachelor of science degree in engineering, Hindman served as a line officer in the Navy from 1930 until his retirement in 1953. He joined the Ogontz faculty as an instructor in engineering in 1964 after serving as marketing manager for the Burroughs Corp. He was named assistant professor of engineering in 1966 and promoted to associate professor in 1971.

Dr. Ois E. Lancaster will retire on June 30 as associate dean for instruction in the College of Engineering, but he will remain on the faculty next year as George Westinghouse professor of engineering.

A native of Missouri, Dr. Lancaster received the bachelor of science degree in education from Central Missouri State College, the master of science degree in mathematics from the University of Missouri, the doctor of philosophy degree in mathematics from Harvard University, and the doctor of aeronautical engineering from California Institute of Technology.

Prior to coming to Penn State in 1957 as George Westinghouse Professor of Engineering Education, Dr. Lancaster had served as assistant director of the research division, Bureau of Aeronautics, Navy Department; a member of the aviation design research division, Bureau of Aeronautics, Navy Department; a member of the planning staff of the Internal Revenue Service; head of the statistics and economics division of the Post Office Department; assistant professor of mathematics at the University of Maryland; and as an instructor at Harvard University.

The George Westinghouse Professorship is unique nationally, in that the

holder of the chair can devote his entire effort to the research and study of engineering education.

At Penn State, Dr. Lancaster has been involved with the development of engineering faculty, and has received acclaim for directing seminars on effective teaching of engineering at both national and local levels. He has been a leader in determining ways of measuring teaching effectiveness and has directed a graduate program for the preparation of engineers to become teachers of engineering technology in technical institutes and two year colleges. Graduates of this program (about 150) are dispersed throughout 36 states. He has also recently written a book on effective teaching and learning.

In addition to these new educational ventures, Dr. Lancaster has continued in his specialty, aircraft propulsion and operations research. He has written a book and edited another book in the former field, taught classes, and advised graduate students.

As George Westinghouse Professor of Engineering Education, Dr. Lancaster will continue to conduct studies for the development of engineering faculty, conduct his annual seminar for effective teaching, and further improve his faculty evaluation system. He will also teach courses in industrial and aeronautical engineering and will continue his stress on design and engineering education.

Dr. Lois Boe Hyslop, an international authority on Baudelaire and 19th century French literature, is retiring July 1 as professor of French with emerita status. The author of five books, four of them written with her husband, Dr. Francis E. Hyslop, Jr., professor of art history at the University, she joined the faculty in 1948. During

her tenure at Penn State, she became the first of her sex to serve as chairman of the College of the Liberal Arts Planning Committee in 1962 and 1963 and as president of the University's chapter of the American Association of University Professors (1964 to 1968). Between 1963 and 1965, she was also acting head of the Department of French, and she was the first woman selected as a Senior Fellow of the Institute for the Arts and Humanistic Studies. She was graduated from Augustana College in Sioux Falls, S.D., summa cum laude, and then went on to the University of Wisconsin to complete her master of arts and doctor of philosophy degrees by the time she was 25. Her first job was at Susquehanna University, and from there she moved to Skidmore College, serving as chairman of its French Department in 1947 and 1948. Her most recent book, "Henry Beque," was published in 1972, and she is at present completing a book of essays on Baudelaire. In collaboration with her husband, she has written and edited "Baudelaire on Poe," "Baudelaire: A Self Portrait," "Baudelaire as a Literary Critic," and "Baudelaire as a Love Poet and Other Essays." The latter work was the outgrowth of a Baudelaire Symposium attended by more than 200 scholars, which Dr. Hyslop organized in 1967 on the 100th anniversary of the poet's death.

Herbert K. Anders, assistant director of the Cooperative Extension Service and professor of agricultural extension, will retire from the faculty July 1 with 38 years of service. Since 1955, he has been in charge of Extension programming in northwestern Pennsylvania. He currently supervises Extension work in Erie, Crawford, Mercer, Lawrence, Venango, Forest, and Warren counties.

Anders was appointed to the University staff in 1936 as assistant Butler County

agricultural agent. He was employed there until 1943 when he was named acting State County agent. In 1945 he was promoted to Lyscoming County agent and served in that capacity until his appointment as assistant director. A native of Landisville, Mr. Anders received a bachelor of science degree from Penn State in 1935 and master of science degree from Cornell University in 1933. Prior to joining the Extension staff, he was employed by the Farm Security Administration for one year. In 1952, he received the Frank R. Pierce Foundation Fellowship to do graduate work at Cornell University. He was chairman of the State's first Farm-City Week for Kiwanis, of which he has been a member for 30 years and which he has also served in a variety of positions.

William H. Hill, Jr., associate professor of English composition and a member of the faculty since 1947, will retire July 1. He has served as the Commonwealth Campus liaison officer for the Department of English for the past 22 years. His original association with Penn State began in 1929 when he enrolled as a freshman, earning his bachelor of arts degree in 1933. During the next five years, he served as an instructor with the Pennsylvania Department of Public Assistance before assuming the chairmanship of the freshman English program at Nanticoke High School. He left Nanticoke in 1944 and spent three years as chairman of the English Department of Bulis Preparatory School. He joined Penn State's faculty at the Schuylkill Campus where he was assistant administrative head and coordinator of the English program. He received his master of arts degree in English from Penn State in 1952 and moved to University Park. He has taught freshman composition, technical writing and business writing and prepared two revisions of the Correspondence Study Guide for English I.

Promotion

An additional promotion has been announced by President Oswald, to add to the 218 promotions announced last week. It is that of Dr. Catharine P. Fussell, to associate professor of biology, at the McKeesport Campus.

Honors

Dr. William A. Steele, professor of chemistry, is one of 40 United States scientists who received a NATO Senior Fellowship in Science recently, awarded by the National Science Foundation and the Department of State. Recipients of the fellowships will study new scientific techniques and developments abroad under a program designed to foster interchange of information among nations of the North Atlantic Treaty Organization.

Dr. Steele, who first joined the University faculty in 1951 as a doctoral fellow in the Cryogenic Laboratory, was a National Science Foundation pre-doctoral fellow in 1954-55 and NSF post-doctoral fellow in 1955-59. In 1963-64 he was at the Free University of Brussels, Belgium, under an NSF senior post-doctoral fellowship. His low-temperature research in physical chemistry has been supported by a number of National Science Foundation grants.

Five members of the Cooperative Extension Service staff, who last month were named state winners in the seventh annual Public Information Awards Contest, have been selected as northeastern United States regional winners.

The contest, conducted by the Pennsylvania and National Associations of County Agricultural Agents in cooperation with American Products, Inc., is designed to recognize excellence in the use of mass media approaches to Extension teaching and information programs. The five are C. E. Craver, McKean Co. agent; Thomas E. Piper, Adams Co.; N. Alan Bell, Lancaster Co.; John H. Holbert, Bedford Co.; and Dr. Donald A. Harter, area resource development agent, stationed in Lebanon. They will receive cash awards at the annual meeting of the National Association of County Agricultural Agents, in October, and their entries will also be judged in national competition.

Dr. John W. Slocum, Jr., professor of organizational behavior, was elected pres-

ident of the Eastern Academy of Management at the recently held meeting of the Association at the University of Maryland. Prior to being elected president, Professor Slocum served as vice-president for program, chairman for research and publications and editor of a book of readings published by the Association, entitled "Research in Organizations."

Dr. Ralph R. Ricker, who retired in 1970 as associate professor of physical education and special assistant to the dean of the College of Health, Physical Education and Recreation, was honored at the fourth annual Carlisle (Pa.) High School all-sports banquet recently when he was given the Distinguished Alumni Award. The award is given to recognize former Carlisle athletes who have distinguished themselves in the general area of athletics after high school. "Dutch" Ricker, who was also a letterman on Penn State football teams, returned to the University in 1952.

Appointments

Henry M. Libhart, chairman of the art department at Elizabethtown College, will be visiting Professor of Art at Capitol Campus during the summer term. He will teach a course in "Studio Art: Watercolor." He has been a professor of art at Elizabethtown College since 1967 and previously taught at Millersville State, Penn State (University Park), and for two years at Solanco High School in Quarryville. A graduate of the Franklin and Marshall, Libhart did his graduate work at Penn State. His paintings have won numerous prizes and are included in a variety of art collections. He serves as a consultant on American Painting to the Rock Ford Foundation.

Dr. Robert J. Raudabaugh, who for the past year has been serving as a visiting professor of engineering, has been re-appointed for one year. A former national president of the American Society for Metals and the Engineers Joint Council, Dr. Raudabaugh is the first Alumni Distinguished Professor in the College of Engineering, a position created with the support of alumni funds. During the past year, Dr. Raudabaugh has lectured to various engineering classes, participated in the College's Effective Teaching Seminar, prepared a profile of engineering at Penn State, and evaluated existing design

courses in engineering. This year, he will serve as chairman of an interdisciplinary committee on design, to consider a practice-oriented graduate engineering program.

William Empson, emeritus professor of English literature at Sheffield University in England, will serve as a visiting professor of English for four terms beginning July 1. An internationally known scholar in English literature and poetry, in particular, Professor Empson also taught for some years in the Far East. He was at Bunrika Daigaku in Tokyo and at Peking National University in China and served as Chinese editor for the British Broadcasting Corporation from 1941 to 1946.

Dr. Hironao Kojima, assistant professor in organic synthesis at Yamashita University, Kofu, Japan, is serving as adjunct visiting scientist in the Materials Research Laboratory at the University. He began a one-year stay at Penn State on April 1, working with Dr. W. B. White, professor of geochemistry.

In Writing

Richard S. Paul, assistant professor of mathematics, and **M. Leonard Shaevell**, assistant professor of physics, both at the Hazleton Campus, have collaborated on a new mathematics textbook, "Essentials of Technical Mathematics," just published by Prentice-Hall in its Series in Technical Mathematics. The book was written for students in various programs of engineering technology and in community colleges, technical institutes, and junior colleges. The authors' purpose is to provide a firm understanding of essential mathematical principles and to illustrate meaningful ways in which they are applicable to the engineering technologies. Professor Paul and Professor Shaevell are also co-authors of a textbook published in 1970 by Prentice-Hall, "Contemporary Technical Mathematics with Calculus."

Dr. Klaus Friedrich, associate professor of economics, is the author of "International Economic Correlation Issues," a new textbook published by McGraw-Hill Book Co. The volume is designed to introduce students to the field of international economics. To accomplish this, Dr. Friedrich presents several basic theoretical concepts in detail. The conventional diagrammatic trade model is developed in several chapters, as is the concept of the

balance of payments in relation to the foreign exchange market, and Keynesian income determination for the open economy. A member of the faculty since 1967, Dr. Friedrich obtained his bachelor's degree in law at Rheinische-Friedrich-Wilhelms University in Bonn, and his M.A. in economics at Ruperto Carola University in Heidelberg. His Ph.D. in economics was granted by Cornell University.

Dr. Ben W. Weaver, assistant professor of Italian, has compiled "An Annotated Bibliography on the Theater of Italy Svevo," published recently by the University Libraries as part of the Bibliographical Series. He did the research for the bibliography while holding a fellowship grant from the Institute for the Arts and Humanistic Studies, which has awarded him a second grant to work in Trieste, Italy, this summer, doing research on the relationship between Svevo's theater and that of Pirandello.

Dr. Howard B. Palmer, professor and chairman of the Fuel Science Section of the Department of Material Sciences, was co-editor of "Combustion Technology: Some Modern Developments," published recently by Academic Press. Dr. J. M. Beer, University of Sheffield, England, was the other editor and with Dr. Palmer was organizer of a short course on combustion, which he held every two years, which is the basis for the book. Fifteen chapters in the book were prepared by experts in combustion, including Penn State faculty members Dr. Robert H. Essenhigh, fuel scientists; Dr. Robert J. Heinsch, mechanical engineering; and Dr. Philip M. Becker, fuel science.

Leaves

Dr. John M. Shemick, associate professor of industrial arts education, has been granted a leave of absence for six months, beginning Sept. 1. Dr. Shemick will be working with the Peace Corps in Seoul, Korea, training volunteers for work in vocational technical schools.

Dr. Edward G. Coffman, Jr., professor of computer science, has been invited to assume a one-year distinguished visitor post beginning in September at the principal French research institute in computer science, the Laboratoire de Recherche en Informatique et Automatique, in Paris. He will conduct research there and teach at the University of Paris.

News in brief

SECOND RETIREMENT

Dr. Hans Neuberger, professor emeritus of meteorology who retired from Penn State in June 1970 after 33 years of service, is retiring again, this time from the University of South Florida in Tampa where he spent the last 3½ years as visiting professor of geography. He and his wife will continue to live in Sun City Center, Florida.

GIUSTI HONORED

Dr. Joseph P. Giusti, director of the Beaver Campus, was given the Distinguished Service Award for 1974 at Commencement Exercises June 2. The Award is presented each year to the person or organization especially personifying the intent of the award. The Beaver Campus academic community selects the recipient of the award, which last year went to Ernest P. Kline, lieutenant governor of the Commonwealth, for his public service. The citation accompanying the award to Dr. Giusti, said, "You were given a concept and you made it a reality. You took men's dreams, blended them with your own and created a tribute to all who dream. You recognized the strengths in others, welded them together and built a living monument to learning and wisdom."

EXAM LEADER

A graduate student in business logistics achieved the highest examination grade among persons seeking admission to practice before the Interstate Commerce Commission. Gail Roger Dieleman, of Montezuma, Iowa, led 53 other answer applicants who passed the six hour written examination given in February at Interstate Commerce Commission field offices throughout the United States. The Commission reported the successful candidates constituted 56.8 per cent of those examined. Also successfully completing the examination was Joseph L. Cavinato, instructor in business logistics.

STUDENT AWARDS

Five students have received Evan Johnson Awards, given annually in memory of Dr. Evan Johnson, Jr., who served on the mathematics faculty from 1930 until his death in 1965. Chosen for the awards were Richard D. Ankey, sophomore in nuclear engineering; Errol L. Lloyd, junior in computer science; and William M. Kazez, Keith C. Miller, and Kim A. Winnick, all math majors.

The Robert W. Stone Award, which honors the professor of microbiology who is retiring this year, has been given to Bridget A. Polanski, a microbiology major, and to Ira G. Mandel, who is majoring in pre-medicine. The award, which includes a certificate and \$25, was previously known as the Textbook Award. Dr. Stone, who served on the faculty for 37 years, was chairman of the department of bacteriology and later microbiology for a total of 23 years.

The John and Elizabeth Holmes Teas Scholarships, amounting to \$1,000 each, were awarded to Craig A. Mellott, sophomore in physics; Carl J. Phillips, sophomore in chemistry; David Michael Pusch, junior in physics; and Gary Hayes Robertson, junior in physics. The award ceremony was held recently.

Elizabeth and J. Paul Smith Memorial Scholarships of \$1,000 each have been awarded to chemistry majors Gary W. Burling, junior class; Timothy Francis Gallagher, sophomore; Anthony R. Kerlavage, sophomore (Schuykill Campus); and Gerald Edward Lepone, junior.

The Wheeler P. Davey Memorial Scholarship, established in memory of Dr. Davey, professor of chemistry and physics for 25 years, has been awarded to George Bernard Norriss, senior in physics.

John F. Elliott, who was graduated on June 1 with a B.S. in community development, with distinction, has won the Eric A. Walker Award, given annually to the senior who has enhanced the University's reputation "through hard work beyond the classroom." Elliott was a leader in the establishment of "On Drugs, Inc.," the student organization with the purpose of providing continuous and direct access to aid in drug-related matters. The basic purpose of the organization is to prevent adverse psychological and physiological reactions from drug use.

LONDON BUS

During the Summer Term, the London Bus, which makes regular tours of the campus, will operate at 12:45 p.m. and 4 p.m., Monday through Friday. Departure is from the HUB. A guide is provided in each bus to describe the many points of interest viewed from the bus in its circuit of the entire campus.

SUMMER TOURNAMENTS

A summer handball and a summer racquetball tournament will be held this year, open to all staff and students. Play is expected to begin the week of July 10. Entry deadline is Friday, July 5. Both tournaments are singles. There is no entry fee for either tournament, nor are there trophies. Participants should expect to play two matches per week, for the tournament will end before the conclusion of the term. Interested persons may register in the Intramural Office, 206 Rec Bldg. For additional information call 865-5401.

HERSHEY GROWTH

Dr. Harry Prystowsky, provost of the Hershey Campus and dean of the College of Medicine, illustrating the growth of the Center since it opened in 1967, pointed out that the 1974 fall class of potential physicians will have 91 students, compared to 40 admitted the first year. He also noted that the total student population at the Center now numbers more than 700, including the medical students, graduate students, nursing students, MEDEX students, and others receiving training in allied health professions and residents receiving postdoctoral training.

PRESS BOOK

As part of its Series in German Literature, The Pennsylvania State University Press has published a book on, "Kafka's Narrative Theatre" by James Roleston of Yale University. Designed to enable the reader to enter Kafka's world without a preconceived idea about what will be found there, the book analyzes the works represented in it as works in their own right, unpredictable even in retrospect. The author seeks to foster an awareness of the problems of perspective and presentation explored by Kafka in his fiction.

Ferrar named to head Center

Dr. Terry A. Ferrar, associate professor of economics, has been named director of the Center for the Study of Environmental Policy. A graduate of Penn State, where he earned a B.S. in industrial engineering and M.A. in economics, Dr. Ferrar received his M.S. and Ph.D. in economics from Purdue. He joined the faculty in 1971 as assistant professor of economics and during 1972-73 was a visiting lecturer with

Walker memorial election planned

A small planting area in the proposed Penn State Arboretum will be named the Darrell E. Walker Memorial Planting in honor of the late Dr. Darrell E. Walker, professor of plant breeding and head of the Department of Horticulture until his death last July.

Preliminary plans for the area were approved by the Board of Trustees, acting on a proposal of colleagues of Dr. Walker.

While specific plans have not been made, it is proposed that the memorial be a small sitting area including some of Dr. Walker's favorite plant materials, such as dogwood, viburnum, holly, and rhododendron. They would be combined in such a way that a homeowner visiting the area could take away some ideas for his own property. The Arboretum will be located on farms east of Overlook Heights.

Education alumni honor four

Certificates of appreciation have been awarded to four men by the College of Education Alumni Association and the College of Education.

Those honored at a recent luncheon were: Dr. Glenn Gamble, director of Career Development and Placement at Rutgers, the State University of New Jersey; Dr. Daniel S. Seid, director of the Office of International Student Affairs at the University from 1964 to 1974; Dr. Bernard M. Bronstein, assistant executive director of the Penn State Alumni Association; and Dr.

AGRONOMY VISITOR

Dr. F. A. M. deHaan, Agricultural University, Wageningen, The Netherlands, will visit the Department of Agronomy June 24-29 and will give four lectures in that period. As a Fulbright Visiting Scientist, Dr. deHaan, of the department of soils and fertilizers at Wageningen, will be focusing his attention primarily on waste disposal research programs at Penn State, and on the total research program in soil science. His lectures, generally related to sewage and soil pollution problems, will be given Monday through Thursday, at 4 p.m. in Room 301A Agricultural Administration Bldg.

ELECTED

Dr. Richard D. Cunningham, vice president for research and graduate studies, has been elected vice president of the Policy Board, Education, of the American Society of Mechanical Engineers. He will be responsible for the coordination of policies and procedures by which A.S.M.E. can improve engineering education, encourage the development of young engineers, and improve cooperation in raising the standards required for legal practice.

CHOIR'S TOUR

Members of the University Choirs departed last week for a performance tour of seven countries, the group's tenth European tour.

Eighty students from the Chapel Choir, the Concert Choir, the Penn State Singers, and the All-Faith Chapel Choir with director Raymond Brown, professor of music, left from New York on June 14 for the month-long tour.

Fifteen to twenty concerts are planned, including performances in Munich, Innsbruck, Venice, Dalmi, Belgrade, Vienna, and Prague.

Financed by individual Choir members personally and through fund-raising projects, the tour was preceded by a week of intensive rehearsal at University Park. The Choirs sing solely from memory.

Previous tours have featured critically acclaimed performances in Britain, continental Europe, and the Middle East, with nearly 600 students having participated.

the Graduate School of Resource Economics at the University of California at Riverside. Since his return, he has also served as research associate with the Center for Air Environment Studies and the Center for the Study of Environmental Policy. Dr. Ferrar is particularly interested in the application of economics to environmental problems and has written and delivered a number of papers in the field.

PBK chapter elects officers

Dr. Elyu Zen Sun, professor of Chinese history, is serving as president of the Lambda Chapter of Phi Beta Kappa for the year 1974.

Dr. Doris M. Seward, executive assistant to the president, is secretary of the Chapter; Dr. Joseph C. Clay, associate professor of philosophy, treasurer; and Dr. Ira V. Brown, professor of American history, historian.

Members of the Executive Committee include Mrs. Langhorne Brickwedde, assistant professor of physics; Dr. Charles D. Ameringer, associate professor of history; Dr. Barton W. Browning, assistant professor of German; and Dr. Daniel Walden, associate professor of American studies.

Phi Beta Kappa members in the area are urged to affiliate with the Lambda Chapter by contacting any of the officers.

Gordon C. Godbey, associate dean of Continuing Education of the College of Education.

The certificates, engrossed on gold-colored parchment and bearing the 50th anniversary seal of the College of Education, cited the recipients "for exceptional contribution and personal interest in education and in the College's Academic Community." They were presented by Dr. G. Lester Anderson, acting dean of the College of Education.

Exam services charge

As a result of financial exigencies, Examination Services of the University, Division of Instructional Services, now charging departments for answer sheets which formerly were provided free for resident instruction.

The new policy is in line with the Division's practice of recovering costs of materials for their services to resident instruction. An exception has been made in the past for the answer sheets, but rising paper costs and a reduced budget require a charge now.

Boxes of answer sheets may be obtained by departments by issuing an IOT to Examination Services; the materials may be picked up in Room 207 Mitchell Building.

A charge schedule has been sent to all academic departments, the charges varying from \$5 to \$7.50 per 500 sheets, according to the type of form.

Two acquisitions by Ag Library

Two recent acquisitions by the Agriculture and Biological Sciences Library have special significance. They are:

Landmarks of Science. This is a comprehensive collection of source material in its history of science comprising the significant contributions to the advancement of science and technology. This extensive set of scientific works in microfilm, begun in 1966, is now nearly percent complete and includes the full works of nearly 3,000 scientists. The collection, produced by the Readex Microprint Corporation, is housed in the Microforms Department, 6 East Palace.

Science Citation Index. New to the Agriculture and Biological Sciences Library, 205 East Palace, this index offers researchers access to sources cited by authors in current literature and obituaries at least partly the procedure of examining the original bibliographies. Approach is provided by author, cited author, and subject. This tool is also available in the Physical Sciences Library, 230 Davey Laboratory.

Physics announces teaching awards

Citations for outstanding teaching by Graduate Teaching Assistants were made recently by the Department of Physics. To identify those graduate students in the Department whose teaching is superior and whose interest in teaching is strong.

Dr. Roland H. Good, Jr., chairman of the Department of Physics, presented a \$100 check and a framed certificate for outstanding teaching to each award winner: Paul M. Campbell, Gregg M. Gallati, James H. Gray, III, John E. Heldrich, Maria-Teresa Torrado, Eric W. Young.

In addition a certificate recognizing his superior teaching was presented to John A. LaFemina.

Recommendations by faculty members who supervise the undergraduate courses and responses to questionnaires by undergraduates in their classes were considered in making the awards.

July short course on particle size

A three-day short course will be offered by the Mineral Processing Section of the Department of Material Sciences July 16-18 on the subject of "Particle Size Analysis," in which the principal lecturer will be Dr. Richard Hogg, of the mineral processing section. Other lecturers will be Dr. L. G. Austin, Dr. F. F. Aplan, and Dr. E. H. White, all of Penn State, and Dr. R. H. Kaye, director of the Fine Particles Research Institute, Laurentian University, Sudbury, Ontario, Canada. Expected to attend are engineers and scientists concerned with the characterization of particulate materials in industrial practice.

Vol. 3, No. 40
Penn State INTERCOM is a weekly publication for the scientific community of The Pennsylvania State University. Published each Thursday, it contains news, notices, and information and items for the calendar should be sent to the editor by Tuesday of the week preceding publication. Room 207 Old Main Building.
Editor: W. F. Ackerman Phone 865-2517

PENN STATE intercom

Vol. 3, No. 41

June 27, 1974

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

At Radio Astronomy Observatory

Effects of satellite on radio studied

An International series of tests to determine whether the world's first "teaching satellite" will spell disaster for radio astronomy began last week at the University.

The tests were made at the Radio Astronomy Observatory as the satellite directs its radio beam over Appalachia. Additional tests were performed concurrently at the National Radio Astronomy Observatory and nine other observatories within the United States and Canada.

Dr. John P. Hagen, professor and head of the Department of Astronomy at the University, says the tests are necessary because interference from the satellite's signal could force radio astronomers to change the band of frequencies they've used over the last 20 to 30 years, causing the loss of vast amounts of research data. Studies of the sun and of pulsars and quasars, the newly-discovered mysterious celestial sources of radio waves which some astronomers believe are the "keyholes of the universe," would be seriously affected.

The satellite, called ATS-6 for Applica-

tions Technology Satellite, was launched from Cape Canaveral May 30 and is now in a stationary position over the equator at 94 degrees west longitude. It is scheduled to begin beaming televised health and training programs to doctors and school teachers in rural areas of Appalachia, the Rocky Mountains, and Alaska later this month.

The problem, according to Dr. Hagen, lies in the broadcasting frequency assigned to the satellite. Radio astronomers use the frequency band between 2690 and 2700 megahertz. The satellite has been assigned the band immediately adjacent at 2655 to 2690 megahertz. This means, Dr. Hagen says, that there is a probability that the teaching satellite's programs will "spill over" into the next band, obscuring the signals from space. The effect would be something like the interference that develops when two adjacent stations on your home radio come in at the same time.

Dr. Hagen says there is no danger of the satellite interfering with home radio

(Continued on page four)

To study quality and relevance

Undergrad programs under review

An Undergraduate Academic Program Review — designed to encourage the process of continuous review of academic quality and relevance of undergraduate programs — has been instituted at the University.

The review process, approved last December by University President John W. Oswald, is being directed by an Undergraduate Academic Program Review Coordinating Committee chaired by Dr. Robert E. Dunham, vice president for undergraduate studies.

The Committee has developed guidelines for the ongoing review which is differentiating from a departmental or discipline review in that it covers the total program leading to a specific undergraduate degree.

According to the Committee, all requirements within and without the academic unit sponsoring the program should be considered on the basis of quality and relevance or appropriateness. The review process is not to be concerned with cost effectiveness or other fiscal measures of academic programs.

In a letter to all faculty members, the Committee detailed the first step in the process — a Program Self-Assessment by members of the program faculty utilizing criteria approved by the University Faculty Senate. A deadline of Nov. 15, 1974, has been set for the first group of 16 academic programs to complete the self-assessment.

An undergraduate academic program is defined by the University Faculty Senate as an array of courses leading to a degree. Three components in each program are the major requirements, elective courses, and general or common requirements.

"In the self-assessment," Dr. Dunham pointed out, "program faculty will look at each of the three components and also how well they are articulated."

Criteria for the program self-assessment

were developed by the Senate Curricular Affairs Committee and approved by the Senate. They cover wide-ranging aspects of an academic program, including objectives, integrity, faculty, instruction, academic advising, University interaction, services and resources, needs of students and society, and future plans.

The second step in the review process provides for a Program Review Subcom-



First Libraries Award to Mann

Charles W. Mann, Jr. (left), head of the rare books and special collections of the University Libraries, was presented with the 1st "Award for Outstanding Contribution to The Pennsylvania State University Libraries" by Dean Stuart Forth, at a reception June 19 in the courtyard of Pattee Library. The award included a framed citation, a Nilgiri Lion statuette, and a check for \$250. The award program was announced in February as an annual presentation to be made to a Libraries staff member, a member of the University teaching faculty, administrative or research staff, or a benefactor of the Libraries. The program receives support from the Penn State Foundation. The citation read: "The first Award for Outstanding Contribution to the Pennsylvania State University Libraries is presented to Charles W. Mann, Jr. It recognizes his talents and gifts as scholar, teacher, librarian-curator, and, most importantly, as a generous friend and steward of the wealth over which he presides. Mann, who has been curator of the rare books collection for 15 years, and before that was assistant, has had much to do with the development of the special collections program which has served many faculty and students in their research and study."

mittee to study the self-assessment and prepare a report based on guidelines established by the Coordinating Committee.

The Subcommittee's report and another from the Curricular Affairs Committee, following its established criteria, are then submitted to the dean of the College who prepares a final report for the provost. Copies of the final report are to be made available to the program head and committees involved in the review.

(Continued on page four)

Council to study role changes

The University Council last week established a three-member committee to comment on extensive changes in the composition and role of the Council proposed in the report of the Joint Senate-Administrative Committee on Governance.

Dr. Charles Hosler, dean of the College of Earth and Mineral Sciences, was named chairman of the committee. Other members are Dr. John J. Coyle, professor and head of the Department of Business Logistics; and Mark S. Singel, undergraduate student member of the Council.

The governance report, approved by the Faculty Senate on May 7, recommended that the Council become a coordinating body made up of the senior officers of the Senate, the student government bodies, and the Council of Academic Deans, with the University Provost continuing as a member.

Present functions relating to policy on academic program priorities, calendar policy, fact-finding studies, and recommendations to the President would be discontinued under the joint committee recommendations.

In a brief discussion of the recommendation, the Council reviewed the Board of Trustees document establishing the Council in 1970.

The Council also received an interim report on the spring evaluation of courses and instruction by graduating seniors from Leslie P. Greenhill, assistant vice president for academic services, and David W. Stickell, supervisor of examination services. A final report is expected to be made at the next meeting of the Council on July 18.

Dr. Donald V. Josephson, professor and head of the department of dairy science, attended his first meeting of the Council as a Faculty Senate nominee succeeding Dr. Charles N. Cofer.

Calendar—June 27-July 7

SPECIAL EVENTS

Thursday, June 27 — Artists Series, Horror Classics Film Series, "Haunting," 9 p.m., Schwab.

Thursday, June 28 — Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

Sunday, June 30 — "Topics of the Times," weekly discussions sponsored by Campus Ministries at the University, 9 p.m., Johnston (East Halls) Hall Free Talk Center. Open to everyone.

Sunday, June 30 — Interlandia Folk Dance, 7:30 p.m., HUB ballroom and terrace.

Monday, July 1 — Duplicate Bridge, 6:45 p.m., HUB ballroom.

Wednesday, July 3 — Chess Club, 8 p.m., ground floor HUB.

Wednesday, July 3 — Meditation, sponsored by Office of Religious Affairs, 12:30 p.m., Helen Eakin Eisenhower Chapel. Rev. Ned Weller, Methodist Campus Ministry, on "Death/Eternal Life."

Friday, July 5 — Commonsplace Coffeehouse, 8 p.m., Room 102 Kern. Featuring "Deb Greeroff," "John Davids" and films.

Sunday, July 7 — Interlandia Folk Dance, 7:30 p.m., HUB ballroom and terrace.

SEMINARS

Thursday, June 27 — Agronomy, 4 p.m., Room 301A Agricultural Administration Bldg. Fulbright Visiting Scientist, Dr. F. A. M. deHean, Agricultural University, Wageningen, The Netherlands, on "Heavy

Metal Pollution of Soils in the Netherlands."

Official

Friday, June 28 — File for Pass-Fall.

Friday, June 28 — File for Repeat Course.

Monday-Tuesday, July 1-2 — File for Pass-Fall.

Monday-Tuesday, July 1-2 — File for Repeat Course.

Tuesday, July 2 — Preregistration deadline.

Thursday, July 4 — No classes; offices closed all day.

Films

Thursday, June 27 — Commonsplace Theatre, "Spacechase to the Unknown," 8 and 10 p.m., Room 112 Kern.

Monday, July 1 — Commons Midday Cinema, "Mystery of the Stonehenge," 12:30 p.m., Room 112 Kern.

Exhibits

Museum of Art — Milton Osborne Drawings, Gallery A, opening June 30. Selections from the Permanent Collection, Gallery B. (Free guided tours every Tuesday at 1:30 p.m.)

Zolter Gallery — Central Pennsylvania Festival of the Arts, opening July 7, Graduate Commons Gallery — La Vern Grant, oils and sculpture. Charles Hoot, photography.

Pattee Library — "The Romantic Movement in Literature and the Arts," Rare Books Room.

Three retirements announced

Francis E. Hyslop, associated with the University for 40 years, will retire July 1 as professor emeritus of art history. He has taught the history of art and architecture to thousands of students and made important contributions to the art and heritage of the University since joining the faculty in 1934. He was instrumental in the addition of such integral parts of the Penn State scene as the Land Grant frescoes in Old Main and the Nittany Lion near Recreation Bldg. and in the expansion of the University collection of woodcuts, etchings, lithographs, water colors, drawings, and oil paintings. He also aided in the development of an impressive slide collection in the Department of Art History Library. A Philadelphia native, he was educated at Princeton, the University of Paris, and the University of Brussels, and he has traveled widely in Europe engaging in research in art history. Among his many scholarly articles, books, reviews, and translations are two translations of works by Le Corbusier, and he has co-authored four books on Beaudelaire with his wife, Lois Boe Hyslop, professor of Romance languages who is also retiring July 1.

Dr. Robert W. Stone will retire July 1 as professor emeritus of bacteriology after serving on the faculty for 37 years. He was professor and head of the department of bacteriology, then in the College of Agriculture, and was named chairman of the new Division of Biological Sciences in 1959. Four years later, the department of microbiology was transferred to the College of Science, and Dr. Stone served as department head until 1970, when he gave up administrative responsibilities, continuing as professor of bacteriology. A native of Oregon, he earned his B.S. degree at Oregon State University, obtaining the Ph.D. at Iowa State University. At Penn State, he coordinated the program in medical tech-

nology in addition to teaching, administrative, and research work. He has made extensive studies in the field of bacterial physiology, sludge fermentation, and penicillin production. He was among the first microbiologists to show that virtually every type of naturally occurring hydrocarbon can be degraded by microorganisms. Since 1970 he has conducted research on the function of bacteria in strip mine soils, the study being supported by the U.S. Bureau of Mines and the College of Agriculture; he intends to continue with this research in retirement. He is conservation chairman of the local Sierra Club group, interested in the Club's efforts to have more land in Eastern U.S. designated officially wilderness areas.

Langhorne H. Brickwedde, assistant professor of physics, will retire July 1, but plans to continue professional activities in the Department of Physics. He began teaching at the University on a part-time basis in 1963 and became a full-time member of the physics faculty in 1967. She has taught undergraduate courses and has been in charge of developing the physics laboratory for non-science majors.

Before coming to Penn State, she was employed by the U.S. National Bureau of Standards in Washington, D.C., engaged in research and maintenance of the primary standard of electromotive force — the international volt. She was employed several summers as a chemist at the Los Alamos Scientific Laboratory. A graduate in the first class of the Junior College of Augusta (now Augusta College), she earned two degrees at the University of Georgia, the bachelor of science in chemistry and the master of science in physics. She was honored recently by her colleagues in the Physics Department, who established the Langhorne H. Brickwedde Award for outstanding students in physics.

HONORS



OUTSTANDING TEACHER in the Ogontz Campus, Dr. Claire Hirsfield, associate professor of history, received the award of Commencement ceremonies from Dr. Tony Mobley, associate professor of physical education. Dr. Hirsfield was cited for exceptional ability to generate enthusiasm and motivation for the study of history, through unique approaches to the subject matter, and for her warm interest in the personal and academic growth of each of her students. The recipient of the award, given annually, is selected by the Ogontz Faculty Senate. A citation, plaque, and check for \$200 are given to the honored faculty member.



Dr. Robert Pitts, left above, assistant professor of business administration, received the College of Business Administration Outstanding Teacher Award from the president of the Student Council, Kenneth A. Orton, at a recent ceremony. The College's Alumni Association joins with the Student Council in sponsoring the award, which includes a \$100 U.S. Savings Bond and engraved Nittany Lion statuette.

Dr. Forrest J. Remick, associate professor of nuclear engineering, director of the Institute for Science and Engineering, assistant to the Vice President for Research and Graduate Studies, and new coordinator of energy programs for the University, has been elevated to "Fellow of the American Nuclear Society." The announcement was made Tuesday of this week at the 50th annual meeting of the ANS in Philadelphia. He was honored for his "contribution to the development of the safe operation and utilization of university research reactors; for his contributions to the training and licensing of reactor operations personnel; for his service to ANS; and for his devotion to communicating with the general public on the peaceful uses of nuclear engineering."

Margaret E. Jennings, assistant professor of physical education, Ogontz Campus, was cited as Outstanding Academic Adviser for 1973-74, selected by a Faculty Senate committee from among nominees whose names were submitted by both students and faculty. She is advisor for the College of Human Development at Ogontz.

Also at Ogontz, Douglas McDowell, instructor in sociology was named 1974 Chief Ogontz. The honor is bestowed of a faculty member each year by the student government association, recognizing "dedication, inspiration, educational ideals, active participation and outstanding contributions to student life."

DEATH

Dr. William F. Hall, professor emeritus of agricultural education and a member of the faculty from 1921 to 1957, died June 17 at the age of 82, in State College. He began his long career in education even before college, teaching in a one-room elementary school in Perry County when he was 18. Subsequently he enrolled at Millersville State Teachers College, became assistant principal of the Duncannon High School in 1913-14 and principal of a Lancaster Co. high school the following year. He enrolled at Penn State in 1915, but his studies were interrupted by military service during World War I, so his degree wasn't conferred until 1920. He taught in Delaware and Huntingdon counties, then was appointed instructor in agricultural education at Penn State in 1921. He received an M.S. degree in 1924. Cornell University conferred the Ph.D. in 1934.

LEAVES

Dr. Jane M. Singh, associate professor of elementary education, for six months beginning June 1, 1975, to make a comparative study of early childhood education programs in mainland China, Russia and England, specifically looking for the rationale of the importation into these countries of American authored-illustrated books for use in early childhood education programs.

Grace E. Laubach, for the current Summer Term, to study pediatric nursing at the University of Pittsburgh. She is associate professor of nursing assigned to the Milton S. Hershey Medical Center.

Dr. Gladys Ritchie, associate professor of speech communication at County Campus, Springdale, Fall Term 1975, to do graduate work at Temple University, use the archives of the Library of Congress and the American Film Institute, and use the film library of the Museum of Modern Art, New York, and facilities of New York University, in a study of film as a communicative art.

Dr. Gabriel M. Escobar, associate professor of anthropology, for one year beginning July 1, to teach and do research in the department of anthropology at Catholic University of Peru in Lima. He will also take part in an international faculty seminar on Andean studies.

Dr. John R. Nichols, professor of social science and psychology at the Capital Campus, will be on leave during the Winter and Spring Terms, 1975, to write a book on the compulsive use of chemical agents such as drugs and alcohol.

Dr. Amos G. Hollinger, associate professor of physics at the Altoona Campus, will study the philosophy and history of modern physics during a one-year leave of absence beginning July 1. Included will be a study of quantum mechanics and general relativity at the Boston University Center for the Philosophy and History of Science.

Funding Opportunities

Instruction—Research—Continuing Education—Fellowships

For procedural and funding source information, call 865-1372.

June 27, 1974

(135-1) RANN guidelines for unsolicited proposals have been issued by the National Science Foundation. Because the objectives of the program, Research Applied to National Needs, differ from general NSF objectives, RANN guidelines should differ sharply. (See NSF 73-37 RANN guidelines).

The principal elements of the RANN program are: . . . Energy Research and Technology — solar and geothermal energy, energy conversion and storage, energy systems and resources, advanced alternative propulsion, and energy and fuel transportation;

. . . Advanced Technology Applications — disaster and natural hazard research and technological opportunities;

. . . Environmental Systems and Resources — regional environmental systems, environmental aspects of space contaminants, weather modification, and environmental effects of energy;

. . . Social Systems and Human Resources — municipal systems and services, human resources and services, social and environmental and public regulation and economic productivity; and . . . Exploratory Research and Problem Assessment — technology assessment, consumer and the marketplace, minority group problems, societal implications of an aging population, and technology-related transitional problems. (NSF 73-712 is the designation for NSF programs and guidelines that apply to other NSF research programs.)

(135-2) Academic Institutions can apply to the Office of Education for grants to fund library acquisitions. OERI program, Grants for College Library Resources, will pay costs of ordering, processing, and cataloging books and materials, plus delivery to place of use. Basic grants may not exceed \$5,000 for a single institutional applicant nor exceed that amount per institution for a combination of institutions. Supplemental Grants are also available in addition to the basic grant under certain conditions. Special Purpose Grants are also available with emphasis on areas of economic and social deprivation, concentration of minority groups, and research and training toward support for these conditions. Proposed rules (Ref. 39FR17656, 5/29/74) have been distributed.

(135-3) The Office of Education (OE) has issued regulations Strengthening Development Institutions Program (Ref. 39FR16649, 5/29/74). Two- or four-year institutions qualify. Two-year institu-

tions must have a full-time equivalent enrollment of at least 300 but not more than 10,100. Other criteria are based on full-time enrollment, degree level among faculty, faculty salaries, students from low income families, budget, and total volumes in library. The program objectives are carried out through cooperative arrangements in which developing institutions draw upon the talent and experience of assisting institutions of higher education. National Teaching Fellows may be requested to release faculty to developing institutions and Professors Emeriti may be requested to make special contributions to institutional needs. Two types of arrangements will be funded — bilateral between applicant and assisting organization and consortium between applicant developing institution and at least two other developing institutions. This latter may also include an assisting institution. These regulations have been distributed. The closing date for receipt of applications is Oct. 31, 1974. (Ref. 39FR21001, 6/17/74).

(135-4) The Bureau of Education for the Handicapped (BEH) has been designated a major administrative unit of the Office of Education (OE) and assigned an annual budget of from \$200 to \$300 million. BEH now has four divisions: Division of Innovation and Development; Division of demonstration, and experimental programs; Division of Personnel Preparation — training programs for teachers, clinicians, and allied personnel; Division of Assistance to States — financial and technical aid to States, education agencies and institutions of higher education serving the handicapped; and the Division of Media Services — educational and media technology.

(135-5) U.S. Dept. of Housing and Urban Development (Ass. Sec. for Policy Development and Research, Washington, A.C. 20470) provides doctoral dissertation grants to \$5,000 per year. Student stipend of \$4000 plus \$500-\$1600 dependency allowance may be part of grant. Faculty on leave to teach degrees may receive larger stipends. Favorable to doctoral students, computer time, stipend, indirect costs are allowable. A \$2500 cost allowance is allowable out of which tuition may be paid. Closing date for applications are Nov. 1 and March 1. Students must have passed comprehensive examination by start of fellowship tenure. Application instructions may be picked up from the office. For further information write to the address given above.

REMINERS AND DEADLINE DATES

Aug. 1 for Instructional Development Improvement Implementation Program (May 1974 INTERCOM 129-4). Aug. 1 for New Development Grants (May 23 INTERCOM 130-2). . . . Aug. 1 and Oct. 1 for Housing and Urban Development (May 23 INTERCOM 131-1). . . . Aug. 15 for NEA Regional Development Program (May 23 INTERCOM 130-1). . . . Aug. 31 for NSF US-Japan Cooperative Science Program (June 28 INTERCOM 132-2).

Vol. 3, No. 41

June 27, 1974

Penn State INTERCOM is a weekly publication for the academic community of the Pennsylvania State University, published each Thursday when classes are in session. General information and items for the calendar should be sent to the editor by Tuesday of the week preceding publication date, Room 312 Old Main. Editor: W. F. Ackerman Phone 865-7517

Five Service Awards In College of Agriculture



Dr. Henry R. Fortmann, (center in right photo) assistant director of the Agricultural Experiment Station and Regional Coordinator of the Northeastern Association of Agr. Exp. Station Directors, joined the faculty as assistant professor of agronomy in 1949. Eight years later he took his present post, being concerned with the operation of off-campus field research laboratories. A graduate of the U. of Wisconsin, he obtained the M.S. degree at Oregon State and the Ph.D. in plant breeding at Cornell. He served with the U.S. Marine Corps in the Pacific Theater in 1943-45. Presenting him with the 25-year Service Award certificate is College of Agriculture Dean James M. Buxton (far right), with Dr. Walter L. Thomas, associate dean for research, observing.



Dr. Stuart Patton, since 1966 Even Pugh Professor of Agriculture, seated in photo at left, received the 25-year Service Award from Dean Beattie, with Dairy Science Dept. head Dr. Donald Josephson (left) as witness. Dr. Patton came to Penn State as a freshman when Dr. Josephson was an instructor in dairy husbandry. After military service in the Pacific and work in private industry, he returned to Penn State as assistant professor of dairy manufacturing. His research since then, known internationally, has taken many directions, but one in particular, the study of lipids, has gained much attention.



Dr. Robert L. Cowan, professor of animal nutrition, accepts the Service Award certificate from Dean Beattie, with Dr. R. Baumgard, head of the animal science department, looking on. Dr. Cowan, who has done extensive research on the nutrition of deer, came to Penn State as a freshman in agricultural biochemistry and received all three degrees here, in 1943, 1949 and 1952. He joined the faculty in 1949, as instructor, after serving as graduate assistant. He served in the U.S. Navy from 1943 to 1946 and was a food chemist for General Foods Corp.



Lloyd E. Adams, professor of entomology extension since 1955, accepts the comfort of the Penn State Chair, while Dean Beattie prepares to give him the Service Award certificate and Dr. Beckford F. Coon, head of the entomology department, is witness. A graduate of the University at Missouri, with a master's degree also from Missouri, Adams was a state entomologist in the Show-Me state before being appointed assistant extension entomologist at Penn State in 1945. He served in the U.S. Army, from 1941 to 1946, with service in the South Pacific, advancing to the rank of major.



Orvel A. Schmidt, associate professor of forestry and administrative assistant to the director of the School of Forestry, who is W. W. Word, at left, actually has 26 years of service at the University and has announced his retirement as of June 1, a fact that was noted in the June 8 issue of INTERCOM (which see). A graduate of the University of Michigan, he also obtained a Master of Forestry degree there.

Library receives research grant

The Penn State Library is a recipient of a research grant from the National Agricultural Library. Research grants for utilization of the CAIN (Cataloging-Indexing Information) data base on-line have been awarded to eight land-grant university libraries, each grant being for \$3,500 to be used for subscription service fees and communication costs in direct support of CAIN on-line. CAIN is a computerized on-line bibliographic search service on agricultural literature.

Each library will investigate a different research project and report its findings. Work will begin this summer and continue throughout the year. Personnel will be sent from each university for an intensive training course at the National Agricultural Library. Dr. Keith Roe and Mr. Robert Seeds will represent the Libraries.

The research project, which was proposed by Vladimir Micuda, Life Sciences Librarian, will be to determine the effect of CAIN-ON-LINE services on the agricultural research in progress at The Pennsylvania State University; to ascertain the effect of CAIN-ON-LINE services on the present dissertation research being undertaken by doctoral candidates in the College of Agriculture at Pennsylvania State University; and to evaluate the application of CAIN-ON-LINE services to research projects conducted by the Fusarium Research Center.

Chapel mid-week meditations

A series of weekly meditations on Wednesdays from 12 noon to 12:30 p.m. in the Helen Eakin Eisenhower Chapel is being sponsored by the Office of Religious Affairs.

Entitled, "Escence," which is defined as "the process of beginning," the meditations have been planned by Charles L. Coleman, program director of religious affairs. The resource leaders are representatives of the Campus Ministry. Musicians, soloists and readers are drawn from the campus and the community.

The purpose of the series is to provide an opportunity for students and faculty of various religious persuasions to develop their imaginations and meditation skills and to discover their natural gifts for renewing the mind, body, and spirit.

Future sessions will deal with "Death/

Eternal Life," led by the Rev. Ned Weller of the Methodist Campus Ministry, July 3; "Man/Woman," led by the Rev. Quentin Schaut, O.S.B., Catholic Chaplain, with Dorothy Flexner, organist, and Carol Stoltz, soloist, July 10; "Love," led by the Rev. Donald Davis of the United Campus Ministry, with Mary Ann Frazier, organist, July 17.

"Future/Hope," led by the Rev. Imgart Soltan of the United Campus Ministry, with Roger Boop, organist, and Tommie Irwin, soloist, July 24; "Spirit," led by the Rev. Joseph U. Gerg, O.S.B., Catholic Chaplain, with Roger Boop, organist, and Debra Fatula, soloist, July 31; "Life," led by the Rev. Leon B. Hall of the Black Christian Fellowship, with Prof. Joseph Wigley, reader, and Jay Martin, organist, Aug. 7; and "Joy," led by the Rev. Mr. Coleman, with Jay Martin, organist.

Creative dramatics for children

A free workshop, Creative Dramatics for Children, will be conducted this summer by the Department of Theatre and Film beginning Monday, July 8.

Boys and girls entering the fourth or fifth grades this fall are eligible to attend this non-competitive group experience based on games, exercises, and improvisational techniques which enable the child to explore his five senses and his imaginative powers and

to develop greater sensitivity to himself, others, and his environment.

Sessions will be conducted from 9:45 to 10:45 a.m. on Mondays, Wednesdays, and Fridays through August 21.

Parents interested in having their children attend should call Alex Krakover, course instructor, 865-5586, by July 5. Registration by telephone is necessary as only a limited number of children may be accommodated.

WPSX highlights

The court-martial trial of the first black man ever to graduate from West Point is the subject of "The Trial of Henry Flipper" Saturday, June 23, at 9:00 p.m. on WPSX-TV, Channel 3. The hour-long dramatized documentary focuses on the 1881 military trial for embezzlement and Flipper's lifelong efforts to clear his name. Though found not guilty of embezzlement, Flipper was dismissed from service for conduct unbecoming an officer and gentleman. He later led a successful civilian life, becoming assistant to then Secretary of the Interior Albert B. Fall in 1921.

"The Impeachment of Andrew Johnson" is the "PBS Special of the Week" presentation Monday, July 1, at 8:00 p.m. The hour-long program combines a re-creation of the actual impeachment proceedings against Andrew Johnson with a discussion of how these proceedings may be important to the present impeachment problem.

Satmyl Weintraub, research professor of English and director of the Institute for the Arts and Humanistic Studies, talks about the artists of the late Victorian era on "Talkabout" Monday at 7:00 p.m. and Tuesday, July 2, at 3 p.m.

"Man Builds, Man Destroys," a series of half-hour documentaries about the international ecology crisis, begins Tuesday, July 2, at 8:00 p.m. on WPSX-TV. The first program, subtitled "It Can Be Done," examines three specific environmental situations and how people are dealing with them. Included are views of noise pollution in New York City, mercury poisoning in Minamata, Japan, and the practice of spraying DDT in Connecticut.



Colored pencil drawing, "Wrigley Tower and Chicago Tribune Bldg." is among the works of Milton Osborne which go on display June 30 at the Museum of Art.

Osborne exhibit

A show of drawings by Dr. Milton S. Osborne, a long-time Centre County resident, will open on Sunday, June 30, in the Museum of Art. Dr. Osborne, who died last year at the age of 76, was professor emeritus of architecture at the University and head of the architecture department at Penn State from 1946 until his retirement in 1962.

Sketches of many of the historical structures visited during the architect's travels in Europe, Canada, Mexico, and the United States are featured in the exhibit of 58 works, on view through Sept. 1 in Gallery A.

Dr. Osborne served as chairman of the Centre Regional Commission and as a member of the State College Planning Commission, also engaging in consulting work which included the design of the Gettysburg home of President Eisenhower.

Exhibited widely in the United States and Canada, his work included sketches of colonial and classic revival buildings which are now part of the Library of Congress collection. The Pennsylvania Historical Museum numbers several of his drawings of historic buildings in the state in its permanent collection.

Museum gallery and store hours are noon to five p.m. daily except Monday, when the facility is closed. Free public tours of exhibits, which currently include many works from the Museum's Permanent Collection, are conducted every Thursday at 1:30 p.m.

EFFECTS —

(Continued from page one)

or television set. They're just not sensitive enough. The supersensitive radio telescopes will be the only device affected.

The tests are under the direction of the Committee on Radio Frequencies of the National Academy of Science and are being coordinated by the National Radio Astronomy Observatory in cooperation with the National Aeronautics and Space Administration.

Dr. Paul N. Swanson, assistant professor of astronomy, and Raymond W. Vogt, research associate in astronomy, will work with Dr. Hagen on the Penn State phase of the tests.

The Penn State team expects to issue a report in coordination with the other members of the testing program staff.

Dr. Hagen is hopeful that the tests will show that severe interference does not occur. However, he adds, "If the interference is severe, the group will be in a position to convince our national authorities and through them the International Telecommunications Union that satellites of this type should be allocated to another frequency band at the next World Administrative Conference of the ITU or that further work needs to be done in the development of more efficient radio frequency filters which could be installed in satellite transmitters to keep the frequencies radiated by the satellite within their assigned bands."

Dance, theatre, music, exhibits

Arts featured in summer program

Nittany Mountain Summer, a new concept in family programming in the visual and performing arts at the University, begins on July 31 with offerings in professional dance, theatre, and music and a special exhibit in the Museum of Art.

A three-week residency of the Pennsylvania Ballet and its resident Pennsylvania Orchestra, two classic American plays of the four programmed by the Pennsylvania State Festival Theatre, and a show of works by Philadelphia artists will be featured in the first annual program, with events scheduled almost daily through Aug. 17.

Six weekend concerts by the Ballet Company, at 8 p.m. on Aug. 2, 3, 9, 10, 16, and 17, will be highlighted by two world premieres of dances choreographed for the dancers.

The Ballet companies will mark the first full-scale theatrical use of new University Auditorium, which opened in May with performances by the Pittsburgh Symphony Orchestra and the University Chorus.

The Pennsylvania Orchestra, which will be resident with both the Ballet and the Philadelphia Grand Opera, will present a series of free concerts at 8 p.m. Wednesdays beginning July 31, in the Music Building Recital Hall at the University. The shirtsleeve concerts will be set informally with frequent commentary by music director Maurice Kaplow on the three programs of music spanning seven centuries.

Also as part of the Ballet residency, associate artistic director Benjamin Harkavy will conduct open public sessions at 4 o'clock on Saturday afternoons before the concerts. In University Auditorium, with company dancers, he will explore a range of subjects related to the Ballet, from the choreography of a dance to current trends in the ballet dance form, which is enjoying increasing popularity in America.

Cole Porter's "Kiss Me Kate," in the Playhouse Theatre, and Arthur Miller's "Death of a Salesman," in the Pavilion Theatre, will be staged by the Festival

Theatre beginning Aug. 1 and 2, with Saturday matinees and performances nightly except Mondays.

Free public forums are also planned to give a behind-the-scenes look at the two plays, at 4 o'clock on the afternoons of Aug. 8 and 9 in the theatres.

In the Museum of Art at the University, new and established Philadelphia artists will be shown in a Nittany Mountain Summer exhibit opening Aug. 4 in Gallery C. A variety of works in many media will be displayed in the show, which will continue through Sept. 1.

Ticket information may be obtained by calling the University at 814-865-2242. The box offices opened June 24 for the theatre and ballet concerts.

Stone Valley visitors profiled

A profile of visitors to the University's 700-acre recreation area at Stone Valley, in Huntingdon County, has been developed by researchers at the College of Health, Physical Education and Recreation from a survey directed by Dr. Betty van der Smissen, professor of recreation.

The data, taken last year, indicate for one thing that visitors are most likely to be adults who live within a radius of 40 miles of Stone Valley or who have some association with the University. The survey also suggests that parties of men and women were most frequent visitors. About 20 per cent of those in the 1,404 persons questioned were men and women and women with children; another 14 per cent were men alone. About 77 per cent were associated in some way with the University.

Most of the visitors were students, faculty or staff and their families, and others were relatives of students or alumni. While visitors came from 51 of the 67 counties of the State, about half were from Centre, Huntingdon, and Blair Counties. Fewer than one per cent came from other states. A third of those questioned indicated that



Pennsylvania Ballet Co. dancers in residence at the University this summer will give 10 performances Aug. 2, 3, 9, 10, 16 and 17 in University Auditorium, the first full-scale theatrical performance at the facility. Tickets are currently on sale for these performances as well as for University Theatre productions, at the box offices. Information about tickets may be obtained by calling 814-865-2242.

they were visiting the facility for the first time, and about five per cent had used Stone Valley since it was opened in 1962. Canoeing appeared to be the most popular activity, followed by picnicking, fishing, hiking, and rowing. Most of the visitors came in late summer months, but one in five indicated that they also came in cold weather for such outdoor recreation as ice-skating and ice-fishing.

In general, Stone Valley visitors consider the area one of high environmental quality and natural attractiveness. Comments and suggestions offered by 240 of the 1,404 persons surveyed suggested the incorporation of a swimming area, the dropping of the 50 cent parking fee, and improvements to the access road.

Working with Dr. van der Smissen on the investigation team were Dr. Jerold E. Elliott, associate professor of recreation, and parks and director of Stone Valley; Dale Roth, associate director for support services at Stone Valley; Daniel J. White and Jean L. Kinneer, research assistants; and James A. Burkhardt and Stephen S. Light, graduate students.

ness Analysis, Civil Engineering, Electrical Engineering, Engineering Science, Environmental Engineering, Individual and Family Studies, Economics, Religious Studies, American Studies, Labor Studies, Media Studies, Comparative Literature, and East Asian Studies.

Nov. 15, 1975 — Forest Science, Wood Science, Engineering Mechanics, Health and Physical Education, Recreation and Parks, Biological Health, Classical Studies, French, General Arts and Sciences, Linguistics, Communication Studies, Astronomy, Biochemistry, Biology, Biophysics, Chemistry, Computer Science, Mathematics, Medical Technology, Microbiology, Physics, Pre-Medicine, and Science.

Feb. 26, 1976 — Agricultural Mechanization, Agricultural Business Management, Agricultural Economics, Theatre Arts, Agricultural Engineering, Community Development, Law Enforcement and Corrections, Man-Environment Relations, Food Service and Housing Administration, Spanish, Latin American Studies, Philosophy, History, Italian, and these Capitol Campus programs: Business, Elementary Education, Building Construction Technology, Electrical Design Engineering Technology, Mechanical Design Engineering Technology, Transportation Technology, Water Resources Engineering Technology, Humanities, Social Science, and Mathematics.

UNDERGRAD —

(Continued from page one)

According to Dr. Dunham, the program represents an opportunity for faculty members to review their undergraduate academic programs and "to begin what we hope will be a continuous process of review so that programs can maintain or achieve a high level of quality."

"It asserts the necessity for faculty members to participate in improving the academic quality of the program," he added, "and the Coordinating Committee is eager to work with them to fulfill that opportunity."

"In assessing the strength, quality and effectiveness of our undergraduate academic programs, I expect we'll be impressed with most of the undergraduate programs in this University."

Members of the Undergraduate Academic Review Coordinating Committee, besides Dr. Dunham, are Dr. Asa J. Berlin, professor of speech pathology and chairman of the Senate Academic Affairs Committee; Dr. Victor L. Dupuis, professor of education and chairman of the Curricular Affairs Committee; Joseph Kaplan, president of the Student Academic Assembly; Dr. Arthur O. Lewis, associate dean of the College of the Liberal Arts; Dr. Matthew Rosenshine, associate professor of industrial engineering, and Kiyoe Mizusawa, associate professor of psychology at Behrend College.

Staff vacancies

University faculty or staff members who are interested in any of the following exempt or staff non-exempt jobs listed below may apply by calling Employment Office, 865-1367 (Network Line 475-1367). Do not contact the area having the vacancy. Applications will be accepted until: 5:00 p.m., July 11, 1976.

FIELD SUPERVISOR, OHIA, COLLEGE OF AGRICULTURE — University Park
Responsible for the training and data reporting accuracy of the Dairy Herd Improvement Association (DHIA) personnel. Check accuracy of data and for weighing and sampling milk in the OHIA Program. Interpret OHIA rules to supervisors and dairymen. Counsel and advise OHIA directors. Associate Oakes or equivalent preferably dairy science plus two to three years related experience. Knowledge of milk sampling procedures, feed management and data collection techniques related to dairy operations is desirable. Requires extensive travel throughout Pennsylvania.

ASSISTANT COORDINATOR, STUDENT AFFAIRS — University Park
Assists Area Coordinator in supervising residence hall staff and student programming in a residence hall community housing 1200 to 4000 students. Master's degree or equivalent experience required.

RESEARCH AIOE (MICROBIOLOGY), COLLEGE OF SCIENCE — University Park
Responsible for conducting research tasks pertaining to study in Microbiology. Prepare culture bacteria and bacteriophage. Conduct experiments to assess the pattern of damage suffered by the cytoplasmic membrane of the host bacterial cell during the replication of the infecting virus. Prepare bacterial and bacteriophage systems for electron microscopy. Operate variety of laboratory equipment such as spectrophotometer and microscope. Perform literature searches. B.S. degree or equivalent in microbiology and some training in bacteriology. Two to three years related experience.

ACCOUNTANT, DINING HALLS, HOUSING AND FOOD SERVICES — University Park

Responsible for the control and coordination of accounting procedures during dining hall, for financial statements of the dining units and departmental accounting and departmental income control. A Bachelor's degree or equivalent in accounting and one to two years related experience.

RESIDENCE HALL COORDINATOR, STUDENT AFFAIRS — University Park
Responsible for promotion of relationships with services and departments involved with the Residence Hall Programs and coordination of Residence Hall Area. Master's degree or equivalent in Behavioral Science and two to three years of related experience are required.

PENN STATE intercom

Volume 3, Number 42

July 4, 1974

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

University's appropriation bill passed

Provost Russell E. Larson has thanked the Legislature for passage last week of the \$94,132,000 University appropriation bill for the 1974-75 fiscal year.

"The bill passed by the Legislature Wednesday enables us to grant much-needed salary increases as of July 1," Dr. Larson said. "Together with additional revenues from an increase in tuition, it will also help us meet in part the added operational costs brought on by the present inflationary spiral.

"We are also grateful for passage of the bill before the beginning of the new fiscal year, since it will permit us to make effective distribution of financial resources throughout the budget year."

The bill passed by the Legislature June 21 represents an eight percent increase over the \$87,159,000 appropriated for the University in 1973-74.

Still unresolved, Dr. Larson said, is the question of a \$1.7 million increase in the University's share of State retirement payments made necessary by passage of Act 31 providing for substantial increases in State retirement benefits.

The University was notified of this action on April 5 — too late to be included in the Governor's budget message — and represented an entirely unexpected addition to the University's costs for 1974-75.

Black Studies director is sought

A director is being sought for the University's Black Studies Program; it is considered to be a key position, and the person to fill it must be highly qualified, with a doctorate, teaching experience, publications, and a keen interest in developing a sound academic program.

Anyone interested in the position should send vita and letters of recommendation to UNIVERSITY BLACK STUDIES COMMITTEE, Box 905, Room 117 Old Main, The Pennsylvania State University, University Park, Pa. 16802.

Dr. Cyril E. Griffith is chairman of the University Black Studies Committee.

VSC organizes free Day Camp

The Volunteer Service Center, which arranges a variety of service activities manned by volunteer students, staff and faculty, will conduct a free Day Camp this summer, for children 5-11, as a pilot program.

The activities will be recreational and educational, held on the HUB lawn and in the HUB ballroom, with field trips added. Mid-morning refreshments will be served.

The sessions will be between July 9 and Aug. 8 on Tuesdays and Thursdays, for three hours beginning at 9:30 a.m. Children will be welcomed on a first-come, first-served basis.

A preliminary telephone registration is needed (formal registration will be completed July 9 at 9:30 a.m. in the HUB ballroom) and may be done by calling 865-3431 between 8 a.m. and 5 p.m. or David Noble, coordinator, 237-5919, in early evenings.

Music literature gift honors Jedelev

The Department of Music has received a large donation of keyboard literature from alumni and faculty in memory of former music faculty member Mary Jedelev.

Miss Jedelev, an assistant professor who taught piano in the department for six years, was killed in an automobile accident in June, 1972. A graduate of Eastman School of Music, she was engaged in doctoral study at the time of her death.

At the suggestion of fellow music faculty, the Jedelev Memorial Collection of Keyboard Music, contributions to which have

enabled the purchase of some 500 volumes of piano literature valued at over \$3500, was established in her memory.

Recently cataloged and shelved in the Music Library and ready for use this term, the collection represents a substantial addition to library resources. Continuing contributions will expand and maintain the Jedelev collection.

Music faculty organizing and administering the ongoing memorial fund are assistant professors Smith Toulson and Steven Smith and Overda Page, music instructor.



CHOIRS IN EUROPE Members of the University Choirs currently touring in Europe were invited for an impromptu mini-concert in the Nymphenburg Castle, near Munich, once the home of King Ludwig I of Bavaria. The Choir's month-long tour, which began in mid-June, takes them also to Austria, Italy, Greece, Yugoslavia, Hungary, and Czechoslovakia, singing as they go. Raymond Brown, director, and Tommie Irwin, assistant director, of the Choirs, are in charge of the tour.

Theatre opens with rainbow July 11

"Finlan's Rainbow," the hit musical show that includes such singable tunes as "If This Isn't Love" and "How Are Things in Glocca Mora," will open the summer Festival Theatre schedule July 11 at Playhouse Theatre.

Tickets for this and other summer productions are currently on sale at the Playhouse box office or may be reserved by calling 865-1884 (until 6 p.m. now, until 9 p.m. on days of performances).

Richard Edelman, associate professor of theatre arts, who directed "Brigadoon" last summer, is directing "Finlan's Rainbow" and serving as artistic director for the Festival. Choreographer is Deborah Adler, and lead roles are played by Al Corbin, the father, and Tanny McDonald, the daughter, both Equity actors.

This is Festival Theatre's 17th season; it is also the fourth season of the five-year program emphasizing American plays and shows. Other productions will include "Harvey," opening July 18 at Pavilion Theatre; "Kiss Me Kate," opening August 1 at Playhouse; and "Death of a Salesman," opening August 2 at Pavilion.

Performances of "Finlan's Rainbow" will be given July 11-14 and 16-20, with a matinee July 20 at 2 p.m. Evening performances begin at 8 p.m. except Sundays, 7:30 p.m.



In rehearsal for Festival Theatre's production of "Finlan's Rainbow" are Al Corbin and Tanny McDonald, who play the father and daughter. The musical comedy opens July 11 at Playhouse Theatre.

Calendar — July 4-14, 1974

SPECIAL EVENTS

Friday, July 5 — Commonsplace Coffeehouse, 8 p.m., Room 102 Kern. Featuring "Deb Crecraft," "John Davide" and films.

Sunday, July 7 — Interlandia Folk Dance, 7:30 p.m., HUB ballroom and terrace.

Sunday, July 7 — "Topics of the Times," weekly discussions sponsored by Campus Ministries at the University, 9 a.m., Johnston (East Hall) Hall Free Talk Center. Open to everyone.

Monday, July 8 — Evelyn Hodges, piano recital, 8:30 p.m., Music Bldg., recital hall.

Monday, July 8 — Duplicate Bridge, 6:45 p.m., HUB ballroom.

Monday, July 8 — Penn State Overcomes, 7:30 p.m., Room 220 Boucke.

Wednesday, July 10 — PSU Sports Car Club, 7:30 p.m., Room 251 Willard.

Wednesday, July 10 — Chess Club, 8 p.m., ground floor HUB.

Wednesday, July 10 — Meditation, sponsored by Office of Religious Affairs, 12:30 p.m., Helen Eakin Eisenhower Chapel. Rev. Donald Davis, United Campus Ministry, on "Man/Woman."

Thursday-Sunday, July 11-14 — Festival of American Theatre, "Finlan's Rainbow," 8 p.m.; Sunday, 7:30 p.m., Playhouse Theatre.

Saturday, Sunday, July 13-14 — Slide talk by Hugh Manchester on old Bellefonte, in connection with exhibit in Zoller Gallery, 3:30 p.m.

Sunday, July 14 — Interlandia Folk Dance, 7:30 a.m., HUB ballroom and terrace.

Sunday, July 14 — "Topics of the Times," weekly discussions sponsored by Campus Ministries at the University, 9 p.m.,

Johnston (East Hall) Hall Free Talk Center. Open to everyone.

SEMINARS

Tuesday-Wednesday, July 9-10 — Phil Delta Kappa, College of Education Lecture Series, Room 112 Kern. Tuesday, 7:30 p.m., Erlu Z. Sun, professor of history, and Stanley Paulson, dean, College of Liberal Arts, on "Education and Nation Building in 20th Century China." Wednesday, 11 a.m., William Rabinowitz, professor of educational psychology, on "Some Observations on Education and Poverty."

OFFICIAL

Thursday, July 4 — No classes; offices closed all day.

FILMS

Monday, July 8 — Commons Midday Cinema, 12:30 p.m., Room 112 Kern. "Prudhoe Bay or Bust."

Wednesday, July 10 — Commonsplace Theatre, 8 and 10 p.m., Room 112 Kern. "Destruction Saturn."

The Museum Store in conjunction with the Museum of Art exhibit of Milton Osborne drawings has available for purchase reproductions of works depicting familiar University scenes by the late architect, professor, and department head of the State.

Offered are a color reproduction of a mural featuring Old Main and reproductions, in sepia on off-white and dark green on pale green, of sketches of Patten Library and two views of Old Main.

Also among the wide variety of art and craft items in the Store, just off Gallery A on the first floor of the Museum, are a newly arrived assortment of hand-woven African wall hangings from the Ivory Coast and many new art books.

Store hours coincide with Museum hours: noon to five p.m. daily except Mondays, when the facility is closed.

Student jobs

The Student Employment Office is open full time during the Summer term and welcomes phone calls from university job supervisors with information concerning part-time job openings. There are still many students seeking part-time employment for the Summer term. By calling the Student Employment Office at 863-0336 job supervisors could have interested and qualified students referred to them to fill the employment openings.

EXHIBITS

Museum of Art — Milton Osborne Drawings, Gallery A. Selections from the Permanent Collection, Gallery B. Central Pennsylvania Festival of the Arts.

Zoller Gallery — Central Pennsylvania Festival of the Arts exhibit on "Early History of Central Pennsylvania."

Commons Gallery — LaVern Grant, oils and sculpture, until July 9. Charles Hook, photography, until July 9. Central Pennsylvania Festival of the Arts Juried Exhibition, opening July 11.

RETIREMENTS

Elizbeth Bodenstein, assistant professor of German, and a member of the Hazelton Campus faculty since September 1, 1956, retired July 1. Mrs. Bodenstein is known for her excellent command of German, and some of the University's best qualified majors in German received their beginning instruction from her. She is active in the American Association of Teachers of German, Central Pennsylvania Chapter; the Pennsylvania Council of Teachers of English; the Modern Language Association; and the Pennsylvania Library Association. Born in London, she became a United States citizen in 1940. She attended the University of Berlin and earned her bachelor's and Master's degrees at The University of Texas in Austin. Before assignment to the Hazelton Campus, she taught at the University of Texas; Panola County Junior College, Carthage, Texas; and the Stephen F. Austin College, Nacogdoches, Texas. She is active in the Hazelton Art League, the Greater Hazelton Oratorio Society, and the Friends of the Greater Hazelton Area Public Library, for which she served as president. On the Hazelton Campus, she was College Representative for the College of Human Development and an adviser to the Delta Sigma Pi service sorority.

Don Kepler, instructor of physical education and one of the world's foremost authorities on survival training, retired July 1. He was also assistant baseball coach. His career has been marked by "famous

firsts": he pitched in the first night baseball game involving a major league team; he taught the first survival courses offered by the U.S. armed forces; he developed and taught the first course on survival offered on a college campus; and he trained the first U.S. military corps volunteers in survival techniques. During World War II, along with two other Penn States, Frank and John Craighead, Internationally known naturalists, Kepler taught survival training to 75,000 soldiers. These first survival courses were taught in Kepler's special classrooms — swamps, sand bars, and deserts. The book authored by Kepler and John Craighead, "How to Survive on Land and Sea," is still read by serious students of survival. Many of the techniques employed by Kepler back then were incorporated into his unique survival course at Penn State. The course has proven to be one of the most popular offered at the University.

Louise H. Dye has retired from the faculty as assistant professor of music education, effective July 1. She began teaching at the University in 1958, and her special field of interest has been in music and methods for elementary classroom teachers. A native of Warren, O., Mrs. Dye received her bachelor of arts degree in music education from Carnegie-Mellon University and earned the master of education from Penn State. She is a member of the Music Educators National Conference. She has served as advisor to the College of Education Student Council and is a past

president of the Alumni Chapter of Mortar Board. Before joining the University faculty she taught in the public schools of Ingram, Chambersburg, and State College.

HONORS

Irving Hand, associate professor of regional planning at Capitol Campus, is one of three persons given a national award by the Council of State Planning Agencies. It was announced this week. The award, honorary membership in the Council, was given also to Senator Hubert H. Humphrey and to Charles Eliot, former executive director for the National Resources Planning Board. Hand was cited for his "continuing interest and leadership in state and regional planning and for his many contributions to the programs and objectives of the CSPA."

Dr. Warren F. Witzig, professor and head of the department of nuclear engineering, has been honored by the American Nuclear Society which named him "Fellow" for his "pioneering engineering accomplishments in the early days of the nuclear submarine program and his later contributions to nuclear engineering education." The announcement of the elevation of Dr. Witzig to Fellow was made at the recent 20th annual meeting of the ANS.

Dr. E. Willard Miller, professor of geography and associate dean for resident instruction, College of Earth and Mineral Sciences, has been made Honorary Member of the Pennsylvania Academy of Science. The honor was bestowed on him at the 50th

anniversary meeting of the Academy, which is dedicated to the encouragement of scientific activities in the Commonwealth. Dr. Miller was also honored by the Pennsylvania Council for Geographic Education, with the presentation of the Council's 1974 Distinguished Service Award in recognition of long and distinguished service to the geographic disciplines.

Dr. Roy C. Buck, professor of sociology and sciences and associate director of the Center for Continuing Liberal Education, has been appointed the American Committee on Rural Development in the International Labor Organization for a term of five years. The Committee meets annually at I.L.O. headquarters in Geneva, Switzerland, and is a standing body of the I.L.O. with the responsibility of advising the I.L.O. on actions it might most usefully take in the field of social advancement in farm activities. It is also a liaison organ with the rural world, particularly in developing countries.

LEAVE

Dr. Donald Langmuir, associate professor of geochemistry, has been granted a six-month leave of absence, beginning in September, to conduct research at the Desert Research Institute of the University of Nevada, Reno. Dr. Langmuir is studying chemistry of ground waters, including their possible contamination beneath the Atomic Energy Commission's Nevada Test Site, and the development of a ground water supply for a major fish hatchery at Nevada's Pyramid Lake Indian Reservation.

Funding Opportunities

Instruction—Research—Continuing Education—Fellowships

For procedural and funding source information, call 865-1372.

(136-1) Following is a description of the Education Program of the National Science Foundation. The five program objective areas are noted as follows:

I. IMPROVEMENT OF EDUCATION CAREERS IN SCIENCE

- (1) Secondary schools — Materials and Instruction Development — Develop course packages and models that can fit into new or existing courses. (Ref. E-75-3); Instructional Improvement Implementation (adding new course material in the classroom). (Ref. E-75-4)
- (2) Alternatives in higher education — Development of Instructional Materials and Modes (newly emerging and problem-relevant subject areas). (Ref. E-75-5); College-Faculty Workshops (newly significant science or engineering areas — Ref. E-75-6); Alternative Degree Programs (typical basic science researches). (Ref. E-75-7); Graduate Fellowships (Ref. E-75-8); Faculty Research Participation (ongoing laboratory research — Ref. E-75-17); Science and Engineering Technician Education (SETP) (two- to four-year collegiate level program. (Ref. E-75-18); Instructional Scientific Equipment Program (Improvement).

ment of undergraduate science instruction).

(3) Continuing Education for Scientists and Engineers (aimed at subjects in the non-academic labor force). (Ref. E-75-9)

(4) Student-Oriented Program — Student Science Training (for high ability secondary students); Undergraduate Research Participation (to provide experience and formal credit). Student Originated Studies (emphasizing student origination and management of studies — Ref. for all three — E-75-7).

(5) Ethnic Minorities and Women in Science — (Minority Initiatives Science Improvement Program (limited to Institutions that were founded to serve minority groups). (Ref. E-75-10); Special Assessment and Experimental Projects (to move women and minority group members into careers in Science — Ref. E-75-11 or NSF Special Science Literacy).

(6) Development of Science Literacy — (Increase substantially the number of persons who are able to make use of the methodology of science in their daily lives. (Ref. E-75-12 and E-75-14 also referenced earlier).

III. INCREASING THE EFFICIENCY OF EDUCATION

TION PROCESSES TO IMPROVE ITS COST-EFFECTIVENESS.

(1) Technological Innovation in Education — Technology and Systems — supporting computer technology research; Applications and Courseware — supporting dissemination of technology. Projects for Exploring Computer Technologies — Ref. E-74-9.

(2) Educational Program Restructuring — (program efforts in pre-service teacher education, changing the educational learning environment, and pre-college education improvement — Ref. E-75-10).

IV. PROBLEM AREAS OF SCIENCE AND TECHNOLOGY

PROJECTS IN SCIENCE — (Designed to increase the impact of education programs in science education through student-initiated and field-initiated studies and experimental projects. (Ref. E-75-11).

V. GRADUATE STUDENT SUPPORT — Develop a cadre of first-line researchers.

(1) About 500 new three-year fellowships will be awarded in FY1975. Deadlines is Dec. 2, 1974 — Ref. E-75-12.

(2) Postdoctoral programs are also funded — NATO Postdoctoral — Ref. E-75-13; and NATO Senior Fellowships — Ref. E-75-14.

(3) Foreign-Related Graduate (ERG) Traineeships — (Designed to increase the number of foreign scientists to lecture and consult with U.S. scientists. (Ref. E-75-15).

Additional information is available for all the above NSF programs — Ref. E-75-1.

(136-2) The Public Health Service has announced the availability of a National Research Fellowship Award for postdoctoral research in fields related to cancer, heart, lung, general medicine, allergies, and infectious diseases. Awardees will receive institutional support for training opportunities. Support can be given for up to three years to U.S. nationals only. Salary range is \$10,000 to \$14,000. There is an institutional allowance of \$1,000 and provision for additional allowances. The application deadline is Sept. 15, 1974; for additional information write to: National Research Service, Division of Postdoctoral Fellowships, 5600 Fishers Lane, Rockville, Md. 20852; Center: Mrs. Helen O'Connell, 490-7885; Heart and Lung; Dr. J. M. J. Smith, 490-7886; Gen. Med. Sci. Dr. M. Carlson 490-7855; Cancer; Dr. J. M. J. Smith, 490-7885; or N. H. Gross 490-7820.

General Research: Dr. R. J. Schellenfeld 490-7870.

(136-3) The Graduate School of Public Health, 1744 Graduate School Financial Awards deadline dates for application information to be submitted by Oct. 1, 1974. The following are the 1974-75 Term Tullian Grants-in-Aid alternatives: Oct. 1, 1974 — Winter Term Tullian Grant-in-Aid; Jan. 5, 1975 — Spring Term Tullian Grant-in-Aid; Feb. 3, 1975 — Graduate School and Pa. Research Fellowships in ERG Traineeships; Feb. 17, 1975 — Eric A. Walker and Graduate School Fellowships, Fellowship Supplemental to ERG Traineeships; April 11, 1975 — Summer Term Grants-in-Aid; April 25, 1975 — Fall Term Grants-in-Aid.

Hub specials

The H.U.B. Terrace Room has inflated daily special meals for both lunch and dinner at prices much below customary cafeteria prices all year. No substitutions are permitted to benefit from these reduced prices. For the next week, the featured meal, accompanied by appropriate side dishes and beverages) are:

- Tuesday, July 7 — Dinner, roast pork with dressing, \$2.50; supper, hot roast meat sandwich, \$1.50.
- Monday, July 8 — Lunch, beef and bean soup, \$1.16; dinner, spaghetti, \$1.37.
- Tuesday, July 9 — Lunch, chicken chow mein/rice, \$1.51; dinner, val parmigiana, \$1.51.
- Wednesday, July 10 — Lunch, golomski, \$1.11; dinner, noodle goulash, \$1.67.
- Thursday, July 11 — Lunch, lasagna, \$1.22; dinner, french meatloaf, \$1.39.
- Friday, July 12 — Lunch, fish cakes/hot sauce, \$1.66; dinner, french fried clam/sauce, \$1.62.
- Saturday, July 13 — Lunch, chicken chow mein, \$1.62; dinner, chicken steak Maryland, \$1.49.

They've moved

The Department of Statistics faculty and staff have moved to Pond Laboratory (from McAllister Bldg.) and the Department of Mathematics has occupied the space formerly held by the Statistics group.

Dr. William Harkness, professor and head of statistics, now is in Room 218 Pond, and the main office of the department is in Room 219 Pond.

The Statistical Consulting Service is in the group of offices in Room 212 Pond and the new director, Dr. John Wolkowsky, is in Room 214 Pond. Only the Service's telephone numbers have been changed; they are now 863-0281-2 and -3.

The main Mathematics Department office is now in Room 215 McAllister; the undergraduate office is in Room 230; and the office of the assistant department head in Room 226.

Staff vacancies

University faculty or staff members who are interested in any of the staff exempt or self-non-exempt jobs listed below may apply by calling Employment Office, Room 210, for consideration. On contract basis. No salary advance on the vacancy. Applications will be accepted until: 5:00 p.m., July 11, 1974.

COMPUTER OPERATOR, INTERCOLLEGE RESEARCH PROGRAM — University Park

Operate computer console and input/output equipment; process computer jobs from submission by users to return to users, providing courteous service and maintaining allowances for error conditions. Associate degree or equivalent in two years of college mathematics or two years of college science or engineering is required. Familiarity with computer programming and operation in batch processing is highly desirable.

DESIGN AND ENGINEERING ESTIMATOR, OFFICE OF PHYSICAL PLANT — University Park

Responsible to the Chief Estimator, for the preparation of estimates and for converting approved and funded estimates into form. Estimate for all trade areas such as carpentry, masonry, sheetmetal, painting, plumbing, electrical, visible-ultraviolet spectrophotometer, ultraviolet-visible spectrophotometer, liquid scintillation spectrometer. Operate continuous flow centrifuge to separate and purify subcellular fractions and cytoplasmic droplets. Characterize fractions by sedimentation velocity, sedimentation equilibrium, and ultracentrifugation studies by fixing, dehydrating, embedding of tissue samples. Background studies in Biochemistry, Biology, or Chemistry or its equivalent and up to one year of effective experience is required. Knowledge of biochemical techniques and instrumentation as well as recent formal class work in Biochemistry, is desirable.

PROGRAMMER, MANAGEMENT SERVICES — University Park

Responsible to the program director for the design, coding, documenting and other programming tasks required to produce reports, make mathematical computations or maintain information files. Prepare and interpret detailed flow charts, prepare and write job control programs for processing programs. Bachelor's degree or equivalent in Computer Science or related field plus two years related experience.

LIBRARY ASSISTANT — DuBois Campus

Responsible for the maintenance of library operations. Two years of college or equivalent plus two to three years library experience.

RESEARCH AID, COLLEGE OF SCIENCE — University Park

Prepare tissue slices and tissue cultures for, and assist in, metabolic studies. Purify substrates by electrophoresis, chromatography and recrystallization. Prepare reagents and media as needed. Conduct radiochemical analyses to measure substrates utilized and to evaluate metabolites accumulating. Operate a visible-ultraviolet spectrophotometer, ultraviolet-visible spectrophotometer, liquid scintillation spectrometer. Operate continuous flow centrifuge to separate and purify subcellular fractions and cytoplasmic droplets. Characterize fractions by sedimentation velocity, sedimentation equilibrium, and ultracentrifugation studies by fixing, dehydrating, embedding of tissue samples. Background studies in Biochemistry, Biology, or Chemistry or its equivalent and up to one year of effective experience is required. Knowledge of biochemical techniques and instrumentation as well as recent formal class work in Biochemistry, is desirable.

ASSISTANT INSTITUTIONAL ANALYST, OFFICE OF BUDGETING AND PLANNING — University Park

Responsible for the conduct of special analyses and survey research; perform institutional analyses by making comparative analyses between similar factors; assist with studies such as institutional cost surveys, investigations directed toward the identification and collection of data reflecting student and faculty action-plan-making, admissions, etc.; design questionnaires used for basic studies;

prepare reports of work projects; gather and study data in order to write brief interpretive summaries; and assist with formulation of plans for lean work projects. A Bachelor's degree or equivalent preferably in the social sciences when quantitative analytical skills are developed; over six months of related experience in research or working knowledge of statistical methods, computer applications and familiarity with at least one programming language, preferably Fortran; requires a knowledge of elementary statistics, advanced writing skills in the field of research and collection of data; and a minimum of two years of related experience in research or working knowledge of statistical methods, computer applications and familiarity with at least one programming language, preferably Fortran.

NURSE, INTERCOLLEGE RESEARCH PROGRAMS — University Park

Responsible for assisting project directors in laboratory preparation and conducting of research and for assisting the physicians in various tests and physical examinations. Bachelor's degree or equivalent and a registered nurse as required by Nursing certificate.

PROGRAMMER (INFORMATION SYSTEMS), OFFICE OF BUDGET AND PLANNING — University Park

Participates in program design, coding and other programming tasks required to produce reports, mathematics, computations, and maintain information files. Prepare and interpret detailed flow charts, prepare and write job control programs for processing programs. Bachelor's degree or equivalent in Computer Science or related field plus two years related experience. Bachelor's degree or equivalent in two years of college mathematics or two years of college science or engineering is required. Familiarity with computer programming and operation in batch processing is highly desirable.

UNDERGRADUATE STUDIES CONSULTANT, COLLEGE OF THE LIBERAL ARTS — University Park

Responsible for the planning and management of an Undergraduate Studies Academic Information Center within the College. Provide professional staff assistance to the Division of Undergraduate Studies during registration and pre-registration counseling program periods. Master's degree or equivalent in an appropriate Human Development Discipline. Academic experience and knowledge of the College of the Liberal Arts and opportunities of the College of the Liberal Arts highly desirable.

UNDERGRADUATE STUDIES CONSULTANT, COLLEGE OF HUMAN DEVELOPMENT — University Park

Responsible for the planning and management of an Undergraduate Studies Academic Information Center within the College of Human Development.

Responsible for assisting project directors in laboratory preparation and conducting of research and for assisting the physicians in various tests and physical examinations. Bachelor's degree or equivalent and a registered nurse as required by Nursing certificate.

ACADEMIC ASSISTANT (INSTITUTE FOR RESEARCH ON LAND & WATER RESOURCES) INTERCOLLEGE RESEARCH PROGRAMS — University Park

Responsible to the Director for facilitating, coordinating, and providing supportive services to the research teams and Technology Transfer Program. Provide assistance in the following areas: Research and Technology Transfer Program as assistance in planning and developing research programs; supervision of information retrieval services; assistance in preparation and/or editing and/or proofreading of research reports and reports; and assistance in developing Technology transfer programs, including Technology Transfer Conference, teaching, writing, or its equivalent, plus two years professional experience in research or communication.

PENN STATE intercom

Volume 3, Number 43

July 11, 1974

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

Recommendations due by May, 1975

Senate appoints governance action committee

The University Faculty Senate has appointed a 10-member steering committee to facilitate action on recommendations for faculty participation in University governance.

Dr. Helen I. Snyder, Senate chairman, will serve as chairman of the steering committee whose major consideration will be the 35 recommendations of the Joint Senate Administrative Select Committee on Faculty Participation in University Governance.

Noting that the primary mechanism for the attainment of shared governance is the delegation of authority, Dr. Snyder said the steering committee has been charged to coordinate actions by the Senate, the Colleges, Campuses and central administration "so that shared governance, as defined in the 35 recommendations, moves forward systematically and smoothly."

The committee is to prepare a worksheet for each of the recommendations detailing supporting information that will be needed. It is not expected, Dr. Snyder noted, to provide documents for action by the Senate.

"It is intended to provide a readily accessible body for informed sharing of information from the various areas of action on shared governance. And it is intended to serve the best interests of both faculty and administration to assure that staff work has been adequate and that the interactions with other components of the total University enterprise are taken into account."

The committee is to have the 35 recommendations ready for action by the May, 1975, Senate meeting.

Steering committee members, besides Dr. Snyder, are the other Senate officers, Sally S. Small, vice chairman, and Dr. John J. Coyle secretary; Dr. Ernest L. Bergman, past Senate chairman; Dr. Stanley O. Ikenberry, senior vice president for University development and relations; Dr. Eugene J. Kelley, dean of the College of Business Administration; Dr. Robert S. Friedman, professor and head of the Department of Political Science; David G. Nixon, instructor in political science at the McKeesport Campus; Joe A. Miller, associate professor

of community development; and Dr. John J. Cahir, associate professor of meteorology.

In other action at its July 2 meeting, the Senate received informational reports from the Senate office, the subcommittee on Internal Operations and Subcommittee on Catalog and approved a recommendation of the Ad Hoc Committee on Communication between the Senate and the University community.

Under the recommendation, a Senate newsletter is to be established as part of the Penn State INTERCOM.

An extended discussion of the problem of faculty parking on campus was initiated by Dr. George M. Guthrie, a senator and professor of psychology. Several other senators voiced their concern over the situation.

Dr. Russell E. Larson, University provost, said the administration is aware of the problem and that it is being taken into consideration in development of long-range physical plant plans.



CHOIRS IN EUROPE. As the University Choirs, in their current European tour, warm up in a courtyard adjacent to the Basilica of San Marco, in Venice, they have an interested listener in the window behind. The next day, they sang in the Basilica and have since been in Budapest, Vienna and Prague, winding up the active part of their trip Monday, July 15. Warmups and impromptu concerts are almost as much a part of the trip as the formal programs they sing.

Groff scholarship fund established

A scholarship fund of more than \$100,000 has been established at the University with a bequest from the estate of Eva Brinser Groff and G. Weidman Groff. It will be known as the Eva B. and G. Weidman Groff Memorial Scholarship Fund.

Mr. Groff, a native of Anville, Pa., who in 1953 was honored as a Distinguished Alumnus of Penn State, devoted his life to plant science and humanitarian work in China and in the United States.

The scholarships will benefit outstanding undergraduate and graduate students enrolled as full-time students in the Division of Plant Science and Industry of the College of Agriculture.

When Mr. Groff, a 1907 graduate of the University in horticulture, went to Canton Christian College (later Lingnan University)

at the end of that year, he was a free agent exploring a new field. His friends at Penn State sent contributions donated at the Sunday Chapel services, and this led to the formation of the Penn State in China Committee and the allocation of Chapel offerings for the development of agricultural studies at Lingnan.

During his years in China, Mr. Groff, who came to be known in University circles as "Daddy" Groff, built a department of agriculture embracing agronomy, animal husbandry, horticulture and sericulture (silk production), and supervised farms, gardens and an arboretum and herbarium.

He became the first dean of the College of Agriculture at Lingnan in 1921 and director of the Lingnan Plant Exchange

(Continued on page 2)

U.P. enrollment will top 30,000 in fall

Resident education enrollment at the University Park campus for the Fall Term is expected to approximate 30,000, an increase of 800 over the 29,397 who were enrolled for the Fall Term, 1973.

Smaller increases are expected at Behrend College, Capitol Campus, and at the Hershey Medical Center. The expected resident education total enrollment should approximate 49,470. This would be an increase of about 1,930 over last Fall.

The number of new freshmen at University Park is expected to total 3,325, an increase over the 3,242 enrolled a year ago, while students transferring from the Commonwealth Campuses will increase to 3,550 from the 3,364 last year.

The shortage of residence hall facilities, it is explained, is directly related to an increase in enrollment. With freshmen required to live in the residence halls, upperclassmen who were the last to file applications for accommodations are the students without residence hall rooms. Many of these are students who lived in the residence halls last year but who delayed in filing requests for rooms while others are students who had been living off campus and now are seeking rooms on the campus.

Residence hall officials on June 11 advised more than 800 applicants that there would be no space for them in campus residence halls, the applicants being those last to file their applications.

Bibliography information needed by July 31

Information to be printed in the 1973-74 editions of "Research Publications and Professional Activities" and "University Publications and Reports to Agencies" should be sent to the vice president for research and graduate studies before July 31.

Earlier deadlines have been set by departments to ensure that information can be transmitted to college research deans for their review well before deadline. A memorandum issued May 1 sets forth the format for the bibliographical listings and is available from departmental offices and from the vice president for research and graduate studies, 207 Old Main.

Calendar — July 11-21, 1974

Special events

Thursday, July 11 — Slide show, "Le Grande Album Ordinaire," 3 p.m. and 4 p.m., Room 101 Chambers, by David Heath, Ryerson Technical Institute, Toronto, Canada. Photos from daguerotypes to most modern.

Thursday-Sunday, July 11-14 — Festival of American Theatre, "Finian's Rainbow," 8 p.m.; Sunday, 7:30 p.m., Playhouse Theatre.

Sunday, July 14 — Interludia Folk Dance, 7:30 p.m., HUB ballroom and terrace.

Sunday, July 14 — "Topics of the Times," weekly discussions sponsored by Campus Ministries at the University, 9 p.m., Johnston (East Halls) Hall Free Talk Center. Open to everyone.

Monday, July 15 — Duplicate Bridge, 6:45 p.m., HUB ballroom.

Monday, July 15 — Penn State Overcomers, 7:30 p.m. Room 220 Boucke.

Wednesday July 17 — Chess Club, 8 p.m., ground floor HUB.

Wednesday, July 17 — Meditation, sponsored by Office of Religious Affairs, 12:30 p.m., Helen Eaten Eisenhower Chapel. Rev. Donald Davis, United Campus Ministry, on "Love."

Thursday-Sunday, July 18-21 — Festival of American Theatre, "Harvey," 8 p.m.; Sunday, 7:30 p.m., Pavilion Theatre.

Friday, July 19 — Commonsplace Coffeehouse, 8 p.m., Room 102 Kern. Featuring "Stan Shepherd," "Tim Craven" and films.

Sunday, July 21 — Interludia Folk Dance, 7:30 p.m., HUB ballroom and terrace.

Sunday, July 21 — "Topics of the Times," weekly discussions sponsored by Campus Ministries at the University, 9 p.m., Johnston (East Halls) Hall Free Talk Center. Open to everyone.

Exhibits

Museum of Art — Milton Osborne Drawings Gallery A. Selections from the Permanent Collection, Gallery B. Central Pennsylvania Festival of the Arts, Gallery C. Free Museum tours Thursdays, 1:30 p.m. **Zoller Gallery** — Central Pennsylvania Festival of the Arts exhibit on "Early History of Central Pennsylvania." MFA Show,

Jeffrey Spaulding and Pamela Turner, opening July 17.

Commons Gallery — Central Pennsylvania Festival of the Arts Juried Exhibition. Joyce K. Stover, jewelry.

Materials Research Laboratory — "Beauty in Science" exhibit, July 11-14.

Seminars

Thursday, July 16 — Phi Delta Kappa, College of Education Lecture Series, 7:30 p.m., Room 112 Kern. Dr. Margaret Matson, sociology, on "They Call It Welfare." **Wednesday, July 17** — College of Education Lecture Series, 12:30 p.m., Room 112 Kern. William Toombs, education, on "Education in a Learning Society."

Wednesday, July 17 — Bioengineering and Mechanical Engineering, 4 p.m., Room 103 Mechanical Engineering. Lloyd A. Back, jet propulsion laboratory, California Institute of Technology, on "Liprotein Deposition and Oxygen Transport to Arterial Walls."

Films

Thursday-Sunday, July 11-14 — Festival of the Arts film program, 9:30 p.m., Old Main lawn. Free.

Thursday, July 11 — Films on "Animation" with discussions by Patrick Trimble, 7 p.m., Room 112 Kern. Free. Festival of the Arts program.

Saturday, July 13 — Bergman's "Blink of Life" and Brakhage's "Window Water

Baby Moving," 7 p.m., Room 112 Kern. Free. Festival of the Arts program.

Monday, July 15 — Commons Midday Cinema, 12:30 p.m., Room 112 Kern. "Harvest of Shame," classic documentary on the migrant worker.

Wednesday-Thursday, July 17-18 — Commonsplace Theatre, 8 and 10 p.m., Room 112 Kern. "Charade."

Harry A. Reed, assistant professor of engineering at the McKeesport Campus, re-

George W. Healy, associate professor of metallurgy, retired July 1 after 11 years on the faculty, having come to Penn State in 1963 from the Union Carbide Metals Division of Union Carbide Corp. where he had worked as a junior engineer and manager of the metals group in a 23-year period of service. The author of the textbook, "The Basic Oxygen Process," written for continuing education courses, he has written a number of papers, one of which, done jointly with D. C. Hilty, won for him the Hunt Award of the American Institute of Metals for the best paper by a Petroleum Engineer, in 1958. He has been a consultant in the areas of ferroalloys, iron and steel making, and waste utilization. His degrees were conferred by the University of Paris (Sorbonne), a certificate of advanced studies in mathematics; and a B.S. in mechanical engineering cum laude by Yale University. He was a member of the Aluminum alloys from 1933-39 at the Munich, Germany, technical institute and the university.

Dr. Joseph H. MacNeill, professor of food science, a leave for the academic year 1974-75, to go to Turkey as a Senior Fulbright-Hays Scholar at the Middle East Technical University at Ankara. In an international program sponsored by the U.S. State Dept., he will spend most of his leave lecturing in food science at the department of biochemical engineering, primarily graduate level courses in food preservation.

Dr. Peter Gould, professor of geography, is the co-author of "Mental Maps," a book published recently by Penguin Books. The other author is Dr. Rodney White, a member of the Northwestern University geography faculty who received his master's degree in geography from Penn State in 1967. The book is a study of the geography of perception — of the mental images people form of places — images shaped by a selective channelling of information. These images, the authors point out, are crucial to people's decisions as to where to live, where to locate factories, and new towns, and where to take their vacations. Among the interesting examples of mental maps included are accounts of mental maps at work in America, Sweden, Southeast Asia, and parts of Africa and Britain.

The 134-page manual is intended for recreation planners and planning agencies and was developed through funds provided by the State Department of Community Affairs. Copies of the publication may be obtained from the Department of Community Affairs, South Office Building, Harrisburg.

Nine associate county agricultural agents have been promoted and given the titles of county Extension agent, effective July 1. A new rank system in the Cooperative Extension Service was created recently providing recognition of the roles played by county agents and county Extension directors. The nine are **Harold R. Bock**, Looming County; **Anthony G. Dobrosky**, York; **Joseph S. Beard**, Crawford; **William A. Reagan, Jr.**, Franklin; **Clarence R. Bryan, Jr.**, Delaware; **Richard A. Long**, Butler; **Thomas H. Osbourn**, Erie; **Donald P. Fowler**, Northampton; **Glenn A. Shirk**, Chester.

A juried crafts show will be held in the Museum of Art Gallery C, beginning July 11 and continuing until July 28, with ceramics, textiles, jewelry, and art works in metal, wood and glass on display as part

Films in Festival

As part of the Festival of the Arts program underway in the community and on campus, films will be shown on a daily basis in front of Old Main, beginning at 8:30 a.m.

will be shown in Room 112 Kern Building (auditorium) at 7 p.m. today (July 11) and Saturday, July 13. The films today will be illustrative of a lecture on "Animation" by Patrick Trimble, graduate student in theatre arts, who will discuss the history and purposes of animation, with 11 films, starting with a 1909 animation, "Gertie, the Dinosaur" and including "Popeye" and a 1963 social commentary, "The Hangman."

At Pavilion theatre, beginning July 1: the whimsical Mary Chase comedy, "Harvey," about Elwood P. Dowd and his imaginary rabbit, will delight audiences as it has for three decades. It opened in New York in 1944 and took the Pulitzer Prize, and since then it has been a "standard" across the nation. "Harvey" will be at Pavilion July 18-21 and July 23-27, with matinee July 27.

Tickets for both shows may be reserved by calling 865-1884 (from 10 a.m. to 9 p.m. on days of performances). Note that senior citizens may obtain tickets at the student discount rate.

A slide show using three simultaneous screen projectors and stereophonic sound will be given by David Heath today, Thursday, July 11 at 3 p.m. and again at 4 p.m. in Room 101 Chambers.

Heath, who is serving as judge for the Central Pennsylvania Festival of the Arts, is a photography exhibit, teaches photography at the Ryerson Polytechnical Institute, Toronto, Canada. His show, titled "L'Album Ordinaire," has been given at the National Gallery of Canada and the Visual Studies Workshop, Rochester, N.Y.

Photographs from albums dating from the 1800's, from daguerrotypes to Polaroid snapshots, are included.

Heath was a Guggenheim Fellow in 1966. He is the author of "Dialogue with Solitude" published in 1965.

The slide presentation is sponsored by

the department of art as well as the Festival of the Arts.

Tickets for the evening concerts by Pennsylvania Ballet in August are currently on sale at the University Auditorium box office.

Performances Friday and Saturday, August 2 and 3, in the Auditorium, will include "The Four Temperaments," by George Balanchine, set to music by composer Philip Hindemith; "Eight Movements in Raggy Time," by John Jones for music by Scott Joplin; "Quartet," by Benjamin Harkavy of the Pennsylvania Ballet's associate artists; and "After Eden."

"The Four Temperaments" ballet is one of three Balanchine works that will be performed by the Pennsylvania Ballet in concert series, which includes weekly performances Aug. 9-10 and Aug. 16-17.

Saturday afternoon sessions, open to the public without charge, will be held at the Harkavy will conduct "Quartet" on August 1 (at 4 p.m. in the University Auditorium) in a session given the name "At Ease with the Pennsylvania Ballet."

(Continued from page 1)

when it began in 1934.

Mr. Groff was increasingly interested in a plant exchange service. He brought Lingnan promising plants from the hinterlands of China for testing and eventual distribution in China and the Americas as well as plants from America offering promise of adaptability in China.

Mr. and Mrs. Groff returned to the United States in 1941. Mr. Groff established the Lingnan Plant Exchange in Laurel, F. D., an area where growing conditions resembled those of south China.

Following his death in 1954, his field records and books pertaining to plants of China and Southeast Asia were given to the University. Mrs. Groff, a native of Harrisburg, died in 1972.

The staff of the Civil Defense University

Extension Program (CDUEP) has moved to the Accelerator Bldg. (the telephone numbers, 5-1391 and 5-1392 remain the same). Affected by the move are coordinator Dennis J. King, Dennis W. Keiser, Robert E. Baldwin, and James Baldwin, all of whom work in Shields Bldg.

Sunday, July 14 — Dinner, roast turkey/dressin

\$2.31; supper, chicken Salisbury, \$1.33.
Monday, July 15 — Lunch, ham with lima beans, \$1.44; dinner, Maryland chicken steak, \$1.44.
Tuesday July 16 — Lunch, frank and onion, \$1.44; dinner, hot meat sandwich, \$1.57.
Wednesday, July 17 — Lunch, grilled ham and cheese, \$1.15; dinner, sweet and sour pork and rice, \$1.44.
Thursday, July 18 — Lunch, turkey turnover, \$1.07; dinner, lasagne, \$1.47.
Friday, July 19 — Lunch, tuna potato chip casserole, \$1.09; dinner light Newburg on rice, \$1.56.
Saturday, July 20 — Lunch, chicken chow mein, \$1.44; dinner, beef and rice, \$1.33.

University faculty or staff members who are interested in any of the staff exempt or staff non-exempt jobs listed below may apply by calling Employment Division 855-1387 (Network Line 475-1387). Do not contact the area having the vacancy. Applications will be accepted until: 5:00 p.m., July 25, 1974.

JR, COPY EDITOR, UNIVERSITY PRESS —
University Park
Responsible for editing book manuscripts in ac-

responsibility for editing book manuscripts in accordance with standard usage, press style, and special requirements. Responsible for checking copyright permissions and for liaison with production design and advertising personnel. Bachelor's degree or equivalent plus one to two years of experience in editorial practices.

EARTH AND MINERAL SCIENCE — University Park
Conduct microscopic analysis of coal samples; interpret data gathered through examination; establish techniques and procedures for obtaining petrographic data; process data by calculator and computer; maintain accurate records and files. Bachelor's degree with some courses in physical science or equivalent plus at least one year of laboratory related experience.

Participate in the development and execution of

educational programs in clinical nutrition for medical students, interns, residents, medical dietetic students and interns, nursing interns, community nutrition, and other health professional groups. Registered Dietitian, graduated from an accredited internship, plus at least two years administrative experience as head of a dietetic department.

Responsible to assist with the preparation and editing of manuscripts for journals, brochures, catalogs, special articles, special reports, research studies and other printed material. Bachelor's degree in English, Journalism, Science or equivalent plus one to two years experience writing for journals and magazines.

(137-1) Research Into problems of alcoholism, drug abuse, and mental health is supported by the Public Health Service and its division of the Alcoholism and Drug Abuse Administration. The National Institute on Alcohol Abuse and Alcoholism (NIAAA) Under the Research Scientist Development Program. Type 1 awards for "young" investigators and Type 2 awards for "established" investigators are available to each of the three Administration Institutes: National Institute on Alcohol Abuse and Alcoholism (NIAAA), National Institute of Mental Health (NIMH), and National Institute of Drug Abuse (NIDA). Research areas include health applications of biomedical, behavioral, and social science supported, and research capacity building. For information, details, contacts, and renewal applications are Aug. 1, 1974; future deadline dates are Oct. 1, 1974 and Jan. 1, 1975. For information, details, contacts, and renewal applications are available.

(137-2) The Office of Education (OE) has issued general guidelines for its **Right to Read** Program. The program is designed to help states, localities and parents, supply dissemination of information in the field of reading. Technical assistance related to the program is available. For information, details, and the teaching of reading are sought. Ref: 30F921247 6/20/74. The closing date for receipt of applications is Aug. 1, 1974. (Ref: 30F924252 6/20/74)

(137-3) The National Institute of Education (NIE) supports three major categories of activities: basic research (Office of Research); dissemination (Office of Utilization and Resources); and developmental activities (Office of Programs). Developmental activities include: (a) development of instructional materials (emphasizing reading skills); productivity (to improve delivery); problem solving (assistance to state and local education); diversity (group needs differences identification); and education and workforce education; (b) education activities (career, continuing, graduate, and adult education placement; curriculum research and development; financial and legal barriers to career education; institutional settings for learning; and systematic institutional change. NIE plans to continue funding through a number of mechanisms: Request for Proposals; grants; REP's (Requests for Proposals) for priority projects; and unsolicited proposals.

Aug. 1 for NSF Instruction Improvement Implementation Program (May 16 INTERCOM #129-4).

Aug. 1 for NEH Development Grants (May 23 INTERCOM #130-2) . . . Aug. 1 and Dec. 1 for HSM Child Health Research Grants (May 30 INTERCOM #131-1) . . . Aug. 15 for NEA Regional Development Program (May 23 INTERCOM #130-1)

PENN STATE intercom

Volume 3, Number 44

July 18, 1974

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

Oxygen symposium a feature

Two chemistry celebrations near

The Third Biennial Conference on Chemical Education and the second Centennial of Chemistry celebration will be held at University Park July 30-Aug. 2, commemorating the dual anniversary of Joseph Priestley's discovery of oxygen 200 years ago (Aug. 1) and the first U.S. National chemical congress in 1874.

As a feature of the celebration, an Oxygen Bicentennial Symposium will be held Friday, Aug. 2, in which all four papers to be presented will deal with oxygen. The papers are by Dr. T. G. Traylor, University of California, San Diego; Dr. Joe M. McCord, Duke University Medical Center, Dr. Michael Kasha, Florida State Uni-

versity; and Dr. Christopher S. Foote, University of California, Los Angeles.

Dr. Stephen J. Benkovic and Dr. Gordon A. Hamilton, professors of chemistry, organized the Symposium.

During the five-day conference, some 70 other papers on chemical education topics will be presented on such topics as lecture experiments, individualized instruction, computers in chemical education, high school chemistry teaching, and frontiers in education.

The Division of Chemical Education of the American Chemical Society and the Department of Chemistry at Penn State are sponsors of the Conference.

Postage stamp sets for observance

Stamp collectors among the 600 chemists attending the Second Centennial of Chemistry celebration July 30-Aug. 2 at University Park will be happy to know that a set of commemorative postage stamps will be available, assembled expressly for the occasion.

Each stamp in the set of four was designed to represent a different facet of the celebration, which commemorates the dual anniversary of Joseph Priestley's discovery of oxygen on Aug. 1, 1774, and the first United States National Chemical Congress on Aug. 1, 1874.

Dr. John R. Hayes, associate professor of chemistry, and Dr. Roy A. Olafson, professor of chemistry, made the selection.

They chose a three-cent 1951 American Chemical Society anniversary stamp to represent the 1874 Congress where a committee was formed that later founded the Society. The meeting was held in Priestley's Northumberland, Pa., home and called the Centennial of Chemistry because par-

ticipants believed his discovery of oxygen one hundred years earlier signaled the end of alchemy and the start of modern chemistry.

A 1955 three-cent stamp saluting Penn State (along with Michigan State) as the first of the land-grant colleges represents the University's long association with the Priestley House. It dates from 1919 when faculty and alumni of the Department of Chemistry at Penn State bought the house and the attached laboratory to save them from demolition. The Department later built a small museum on the grounds. The University presented the house and museum to the City of Northumberland in 1955 and in 1970 the home became a National Historic Site.

A three-cent 1956 Benjamin Franklin and a one-cent 1965 Thomas Jefferson complete the set, selected to represent Priestley's associations with two of his most illustrious contemporaries.

Only 200 stamp sets have been made up.

News in Brief

MEETING DATES

Dates on which Commonwealth Campus faculty and staff will meet at the University Park Campus have been announced by Dr. R. G. Oulfin, dean of academic instruction for the Commonwealth Campuses, as follows:

For 1974 — August 6, August 28-29; September 6-7; and September 19, October 1, October 17; November 12, November 26-27; December 3.

For 1975 — January 7, January 23; February 4, February 20; March 4-5; April 1, April 17; May 6; June 3-4; July 1.

The policy of designating single- and two-day meetings was established last year in the interest of economy and efficiency so that departments and organizations within the University could plan better.

PRESIDENT ELECTED

President Oswald has been elected vice president of the Pennsylvania Association of Colleges and Universities for 1974-75. The Association is comprised of the presidents of 117 public and private institutions of higher learning in the state. Previously he had been secretary-treasurer. The new president is Dr. Arthur L. Schultz, president of Albright College, Reading.

PRESS BOOK

"The Letters of Emily Lady Tennyson," a personal view of the lives of Alfred Lord Tennyson and his wife, has been published by The Pennsylvania State University Press. James Hoge, of the University of Georgia, edited the volume and wrote the introduction, which provides a history of Lady Tennyson's early life and the long courtship between the two.

OFFICE MOVES

The office of the Area Director of Continuing Education for University Park, who is Harry V. Weaverling, has moved from Room 1 Shields to Room 309 Shields. Many programs that affect University staff members are organized through this office.

CIVIL DEFENSE MOVES

The staff of DCUEP — Civil Defense University Extension Program — has moved from Shields Bldg. to the Accelerator Bldg. Staff affected by the move include coordinator Donald J. King, Dennis W. Keiser, Robert Dillman, and James Baldwin.

Informal free concerts planned

Members of the New York Renaissance Band will perform on campus with the Pennsylvania Orchestra in a series of "shirt-sleeve" concerts July 29 thru Aug. 17.

The series of three informal free concerts will be presented at 8 p.m. on successive Wednesdays, beginning July 31 in the recital hall of the Music Bldg.

Lucy Bardo, on viols and vielle, Allan Dean, on cornetto, recorder, and krumphorn, Ben Harms, on percussion and viols,

Reserve lists

Reserve reading lists for Fall Term 1974 should be submitted to the Main Undergraduate Library on or before July 24, to allow ample time for processing. Lists received after the deadline will be accepted only if material requested is not needed until the beginning of the third week of classes; all reserve lists will be processed strictly in order received.

The July 24 deadline provides a reasonable amount of time to order books and to prepare available materials for reserve use.

Only required readings, which will circulate either for a two-hour period or for an overnight loan period, will be placed on reserve.

Lists should be submitted on reserve forms which are available by mail or in person from the Undergraduate Library, W11 Pattee Library. Lists should be typewritten and contain full bibliographic information, including the author's full name, title, publisher and the date of publication.

SENATE COMMITTEE

Officers of the Committee on Faculty Rights and Responsibilities of the University Faculty Senate, for 1974-75, are:

Dr. Richard Craig, chairman, Room 106 Tyson, 865-2572.

Dr. E. T. Sun, vice-chairman, Room 706 Liberal Arts, 863-0112.

Dr. Jeanne L. Smith, secretary, Ogontz Campus, 1600 Woodland Dr., Abington, Pa., 19001, (215) 866-9400.

TELEPHONE SIGNAL

Beginning July 10, when Bell Telephone Co. sets new equipment into operation in State College and vicinity, calls from the campus will sound somewhat different; there will be a dial tone if you dial 8 for campus calls and also if you dial 9 for local calls. Until then, there is no tone following the dialing of those numbers. So don't be alarmed at the new sounds; your phone isn't out of order.

FALL ENROLLMENT

Latest estimates of the expected Fall Term enrollment of "resident" students places the figure at 30,300 for University Park and 49,470 for all campuses. Add to these figures the students enrolled in Continuing Education credit and non-credit classes and Penn State will have a grand total enrollment nearing 70,000 probably.

and Sally Logemann, on shawns, dulcian, end recorder, will be featured with the orchestra in programming from the Medieval and Renaissance periods. The guest artists will also perform on the modern-day counterparts of the instruments with the orchestra, resident orchestra with the Pennsylvania Ballet.

Maurice Kaplow, Pennsylvania Ballet music director, will conduct the concerts and include discussions about the music.

To: Departments needing folders

Salvage and Surplus has a large quantity of slightly used manila folders, 2 1/2 right tab, letter size. The identical folder in General Stores, 708500, is priced at \$19.20 per thousand. These are in perfect condition and have only a gummed label on the tab. They are available at S. and S. on a first-come, first-served basis at \$5 per thousand. Call Kenneth Ishler, 865-4371 if interested.



SERVICE AWARD — Dr. Louis Don Hyelop, whose retirement as professor emerita of French effective July 1 was noted in INTERCOM June 20, had one last official "duty" last week — to receive a 25-Year Service Award certificate and Penn State chair from College of the Liberal Arts Dean Stanley F. Paulson (left) and Dr. Richard L. Freuchis, head of the French department. Dr. Hyelop, whose husband Dr. Francis E. Hyelop also announced his retirement July 1 and who earlier had received a Service Award chair, joined the faculty as a lecturer on a part-time basis in 1946 and in 1953-65 served as acting head of the department.

Archie Smith sees rabbit at Pavilion



P. Dowd (Smith) and the bunny only he can see. Dowd and friend will be at Pavilion Theatre until Saturday, July 27, with the exception of Monday, July 22. Curtain is 8 p.m. for evening performances except on Sunday (7:30 p.m.), and there is a matinee performance (2 p.m.) Saturday, July 27.

Smith, a member of the faculty since 1970, acted in last summer's Festival of American Theatre with roles in "Brigadoon" and "Little Murders," and was director of "Arenic and Co. Lages."

In his acting career, Smith has played in a dozen Broadway shows, the first with Helen Hayes in "Harriet" and later in "The Madwomen of Chailott" with Martia Hunt and "The Andersonville Trial," with George C. Scott. His favorite Broadway role was that of Scopes, in the play, "Inherit the Wind," which starred Paul Muni.

After New York, Smith was with the Seattle Repertory Theatre for seven years, with more than 40 roles. After a summer at Harvard University, he came to Penn State.

Archie Smith, assistant professor of theatre, has the task of making an invisible six-foot rabbit "real" to the audience at Pavilion Theatre for the next ten days.

Opening tonight (Thursday, July 17) is "Harvey," the Mary Chase story of Elwood

Calendar—July 18-28 1974

SPECIAL EVENTS

Thursday-Saturday, July 18-20 — Festival of American Theatre, "Finian's Rainbow," 8 p.m.; Saturday matinee, 2 p.m., Playhouse Theatre.

Thursday-Sunday, July 18-21 — Festival of American Theatre, "Harvey," 8 p.m., Sunday, 7:30 p.m.

Friday, July 19 — Commonsplace Coffee-house, 8 p.m., Room 102 Kern. Featuring Stan Shepard, Tim Craven and films.

Sunday, July 21 — Interludia Folk Dance, 7:30 p.m., HUB ballroom and terrace.

Sunday, July 21 — "Topics of the Times," weekly discussions sponsored by Campus Ministries at the University, 9 p.m., Johnston (East Halls) Hall Free Talk Center. Open to everyone.

Monday, July 22 — Duplicate Bridge, 6:45 p.m., HUB ballroom.

Monday, July 22 — Penn State Overcomers, 7:30 p.m., HUB ballroom.

Tuesday-Saturday, July 23-27 — Festival of American Theatre, "Harvey," 8 p.m., Saturday, matinee, 2 p.m., Pavilion Theatre.

Wednesday, July 24 — Chess Club, 8 p.m., ground floor HUB.

Wednesday, July 24 — PSU Sports Club, 7:30 p.m., Room 251 Willard.

Wednesday, July 24 — Meditation, sponsored by Office of Religious Affairs, 12:30 p.m., Helen Galt Hall.

Wednesday, July 24 — Rev. Irigaitz Sotola of the United Campus Ministry on "Future/Hope."

Friday, July 26 — Teri Gemberling, piano recital, 8:30 p.m., Music Bldg. recital hall.

Friday, July 26 — Commonsplace Coffee-house, 8 p.m., Room 102 Kern. Featuring "John Elliot" and "Open Mike."

Friday, July 26 — Duplicate Bridge, 7:30 p.m., HUB ballroom.

Sunday, July 28 — Interludia Folk Dance, 7:30 p.m., HUB ballroom and terrace.

Sunday, July 28 — "Topics of the Times," weekly discussions sponsored by Campus Ministries at the University, 9 p.m., Johnston (East Halls) Hall Free Talk Center. Open to everyone.

SEMINARS

Tuesday, July 23 — Phi Delta Kappa, College of Education Lecture Series, 2:15 p.m., Room 112 Kern. Helen Snyder, "Educational psychology, on 'Consciousness Based Education Reassessed: A Learning Point of View.'"

Wednesday, July 24 — College of Education Lecture Series, 2:15 p.m., Room 112 Kern. Kenneth Bell, "On 'Formative Hermeneutics of Learning, or Should One Bug the Arlet at Work?'"

FILMS

Thursday, July 18 — Commonsplace Theatre, 8 and 10 p.m., Room 112 Kern. "Charade."

Monday, July 22 — Commons Midway Theatre, 8 and 10 p.m., Room 112 Kern. "Red China Drama."

Wednesday-Thursday, July 24-25 — Commonsplace Theatre, 8 and 10 p.m., Room 112 Kern. "Sherlock Holmes Faces Death."

EXHIBITS

Museum of Art — Milton Osborne Drawings, Gallery A. Selections from the Permanent Collection, Gallery B. Central Pennsylvania Festival of the Arts, Art Through 28. Free Museum tours Thursday — 1:30 p.m.

Zoller Gallery — MFA Show, Jaffer Spaulding and Pamela Turner, through July 27.

Commons Gallery — Central Pennsylvania Festival of the Arts, Art Through 28, through July 28. Joyce K. Stover, jewelry through July 30. Rebecca Kames, metal sculpture, opening July 29.

Funding Opportunities

Instruction—Research—Continuing Education—Fellowships

For procedural and funding source information, call 865-1372.

(138-1) Research proposals are now being accepted by The International Sugar Research Foundation, Inc. relating to the utilization of sugar. Research which has been of interest to the Foundation includes: nutritional and metabolic studies of sugar and other sugar-related public health issues; technology related to the improvement of sugar containing processed foods including comparative studies of sucrose and other sweeteners; development of products resulting from research; and by-product utilization. Application forms are available from M. R. Kohler 865-1372. The agency contact is: International Sugar Research Foundation, 7316 Wisconsin Ave., Suite 400, Bethesda, Md. 20814. Applications must be received by August 19, 1974. Request for full application or negative notice will be made October 1, 1974.

(138-2) Under recently issued regulations for its Grants for Emergency Medical Services Activities, the Public Health Service (PHS) covers Feasibility Studies and Planning, Establishment and Initial Operation, and Expansion and Improvement. An "emergency medical services system" provides for the arrangement of personnel, facilities, and equipment for the effective and coordinated delivery of health care services in an appropriate geographical area under emergency conditions. (Ref. 39FR20320, 7/1/74). The PHS has also announced rules and regulations for Grants for Research Projects in Emergency Medical Techniques, methods,

devices, and delivery. Special consideration will be given to applications for research relating to the delivery of emergency medical services in rural areas. (Ref. 39FR24231, 7/1/74).

(138-3) The International Society for Solution of Environmental Problems consists of four elements: (1) major research programs, (2) project research, (3) research by individual faculty members, and (4) university-based seminars. Research may be multidisciplinary, interdisciplinary, or interdisciplinary and may cover any transportation topic including behavioral, ecological, engineering, mathematical, medical, earth, natural, physical, political, social science, economic, law, management, policy, and planning. Additional information and application forms are available to faculty writing on University letterhead to Office of University Research, Office of the Secretary, U.S. Department of Transportation, Washington, O.C. 20590. Information is also available from Dr. Thomas O. Lerman, Director, Pennsylvania Transportation Institute, 865-1891. The closing date for receipt of proposals is October 1, 1974.

(138-4) Social science students who wish to study social change in Latin America and the Caribbean apply for pre- and post-doctoral fellowships on contracts at the University. Application deadline for the fellowships of up to 15 months duration is Oct. 1, 1974. For more

information, write to Mrs. E. Vestch, Information Center, the International Foundation, 1515 Wilson Blvd., Rosslyn, Va. 22209.

(138-5) Aid and Water Pollution fellowships of from \$2000 to \$5500 are offered by the Environmental Protection Agency. Areas of interest include environmental law, land use, urban planning, transportation, and environmental economics. Applications may be submitted by people engaged in or preparing for careers in pollution abatement and control. Application deadlines for air pollution fellowships are March 1 and Aug. 1, for water pollution fellowships, May 15. For further information write: Air Pollution — Academic Training Section, Environmental Protection Agency, Programs, National Env. Res. Center, Room C222, Research Triangle Park, N.C. 27711; Water Pollution — Academic Training Section, D. Lukow, Chief, Office of Environmental Programs, U.S. Environmental Water Program Operations, Env. Protection Agency, Washington, O.C. 20460.

(138-6) Scholars working on projects "designed to contribute to the understanding of the nature and resolution of significant contemporary or emerging common problems of industrial societies" are invited to apply to the German Marshall Fund of the United States, the German Marshall Fund of the United States, 177 Massachusetts Ave., N.W., Washington, O.C. 20036.

Staff vacancies

University faculty or staff members who are interested in any of the exempt or staff non-exempt jobs listed below may apply by calling Employment Division 865-1387 (Network Line 475-1387). Do not contact the area hiring the vacancy. Applications will be accepted until: 5:00 p.m., July 25, 1974.

RESEARCH AIDE (MICROSCOPIST), COLLEGE OF EARTH AND MINERAL SCIENCE — University Park
Conduct microscopic analysis of coal samples; interpret data gathered through examination; establish techniques and procedures for obtaining photomicrographic data; process data by calculator and computer; maintain accurate records and files. Bachelor's degree with some courses in physical science or equivalent plus six to nine years of laboratory related experience.

JR. COPY EDITOR, UNIVERSITY PRESS — University Park
Responsible for editing book manuscripts in accordance with standard usage, press style, and special requirements. Responsible for checking copyright permissions and for liaison with production and advertising personnel. Bachelor's degree or equivalent plus one to two years of experience in editorial practices.

PATIENT NUTRITIONAL CARE COORDINATOR — Hershey Medical Center
Participate in the development and execution of educational programs in clinical nutrition for medical students, interns, residents, medical dietetic students and interns, nursing interns, community nutrition and other allied health professional groups. Registered dietitian, graduated from an accredited internship, plus at least two years administrative experience as head of a department.

EDITORIAL ASSISTANT — Hershey Medical Center
Responsible to assist with preparation and editing of manuscripts for journals, brochures, newsletters, special articles, special reports, research studies and other printed material. Bachelor's degree in English, Journalism, Science, or equivalent plus one to two years experience writing for journals and magazines.

RESEARCH ENGINEER, HEALTH, PHYSICAL EDUCATION AND RECREATION — University Park
Design and develop technical data analysis system planning experimental set-ups, evaluate lower level employees, conduct post-design investigations of systems so as to verify validity and effective utilization of the systems. Program and maintain the laboratory computer and provide informal in-

struction to graduate students. Bachelor's degree or equivalent preferred in electrical engineering with advanced degree work highly desirable. Four to five years related experience including some work in computer science.

ADMISSIONS COUNSELOR, RECORDS, AND SCHEDULING — University Park
Responsible for interviewing prospective applicants, collecting and processing information for making decisions regarding the admission of Recollegiate, Associate, Adjunct and Foreign Students. Represent the University and give presentations on admission at Colleges, Universities, and College Admission Panels, and other group meetings. Bachelor's degree or equivalent with two to four years experience in related fields such as secondary schools, colleges and/or industry.

MARKETING SPECIALIST, COLLEGE OF AGRICULTURE — University Park
Review, recompile, and modify data submitted monthly by food firm managers participating in the Pennsylvania Quota Management Information System (PQAMIS). Responsible for the processing of data through computerized systems and ensure return of confidential analysts to participating firms. Interview top management food distribution firms to discuss and explain PQAMIS program. Responsible for brochure service to participating firms. Perform for PQAMIS participants. Responsible for adapting and modifying aforementioned computer programs as conditions warrant; maintain close liaison with program. Bachelor's degree or equivalent plus two to four years in food distribution and/or management information systems.

ASSISTANT DIRECTOR, COOPERATIVE EXTENSION SERVICE, COLLEGE OF AGRICULTURE — Northampton Region (Erie, Crawford, Mercer, Lawrence, Venango, Carbon, Forest, Warren, Tioga, and Lycoming Counties)
Responsible for the total Extension program in the region, and for the personnel to conduct such a program. Works closely with persons at the state level who are responsible for program development. Master's degree or equivalent plus a minimum of five years experience in County Extension. Master's collection of research and extension.

ACTING INSTRUCTIONAL SERVICES OFFICER — Capitol Campus
Responsible for administration of department programs in the field of the maintenance of the faculty and students including audio-visual services, television services, production of materials, instructional materials, language laboratory, copying and printing. Must have a minimum of three years of ability in Instructional Media or in an Instructional Medium such as Audio-Visual Aids, Television Pro-

duction, Motion Picture Production, etc. and over two years related experience. This is a temporary position and will be limited to 12-18 months.

ELECTRON MICROSCOPIST — Hershey Medical Center
Responsible for the operation, care, and preparation of materials for the use of the electron microscope in research. Master's degree in microbiology or equivalent with at least two years of experience related to specific research project.

FOOD PRODUCTION SUPERVISOR, NUB FOOD SERVICE, HOUSING AND FOOD SERVICE OPERATIONS — University Park
Responsible for menu preparation, food production, merchandizing, cafeteria service, costs, sanitation, and quality control of Food Service operations for the HUB and catered Food Service. Assists in planning and developing Food Service for special promotions. Bachelor's degree or equivalent plus four to six years of experience.

ASSISTANT HOUSEKEEPING SUPERVISOR, HOUSING AND FOOD SERVICE OPERATIONS — University Park
Responsible for administering and coordinating housekeeping operational functions in a specific residence hall. Coordinate the activities of technical-service employees, inspect work being performed, inspect area and recommend changes in routine. High school graduate plus two to four years of related experience.

COUNSELOR AIDES, HEALTH, PHYSICAL EDUCATION AND RECREATION — University Park
Responsible for design, construction, maintenance and operation of electronic and mechanical test equipment used in a block of experimental work. Supervise and instruct part-time employees including undergraduate research assistants. Associate degree or equivalent in electrical technology plus two to three years experience in the field of electronics.

CRAFT FOREMAN — Hershey Medical Center
Responsible for the selection, scheduling, and inspection of functions of the maintenance craftspeople in the department of Maintenance and Electronics. Associate degree or equivalent in a technical field or equivalent training, experience or approved, accredited apprenticeship in one of the trades areas plus eight to ten years experience in the supervision of building maintenance.

COUNSELOR AIDES, INDIVIDUAL AND GROUP COUNSELING — University Park
Responsible for individual and group counseling, assisting primarily on educational/vocational concerns. Assist with prerequisite testing and counseling program. Provides consultation to Univer-

sity students, and supervision of interns or graduate assistants. Master's degree or equivalent in Clinical Psychology or Counseling, Counselor Education or related area, plus three years of experience.

SENIOR RESEARCH AIDE (ANIMAL SCIENCE), COLLEGE OF AGRICULTURE — University Park
Supervise employees in seedbed preparation, tillage, and other operations for seed and forage crop and pasture experiments. Instruct and assist graduate students in the practical aspects of forage crop harvesting, seeding, fertilization, and seed dispersal. Conduct field and laboratory experiments to determine the effect of manure nutrients on the performance of forage and pasture species and livestock. Determine quality methods for pasture species which will ensure maximum amount of feed nutrients. Calibrate seeders, fertilizers, and spraying equipment; select seed and fertilizer rates for use in field experiments. Control in forage and pasture experiments. Bachelor's degree or its equivalent in agriculture or agronomy with minor or strong related experience, plus two to four years related experience.

PUBLICATIONS AND PROMOTION SPECIALIST, UNIVERSITY ARTS SERVICES — University Park
Responsible for the promotion and publicity of the Arts Series programs. Develop copy for advertising, develop concept for writing programs, communication with Artists Series personnel, and assist in the Arts, Theater Arts or related field plus two to four years related experience.

PROGRAM ANALYST, COLLEGE OF AGRICULTURE — University Park
Supervise the work of Junior Programmers. Confer with project personnel to determine the nature of the project, establish the goals, and the confidentiality and use of project data; advise researchers in the design of survey forms, file analysis possible and time required; develop and design the program and upgrade, maintain and edit existing programs. Plan logical steps to solution of problems, use of computer languages, and equipment. Advise and assist researchers in the efficient use of the system and develop alternative solutions. Bachelor's degree with a major in mathematics or statistics and a minor in computer science or statistics or computer science or equivalent. Four to six years of related experience required. Course work in linear algebra, numerical analysis, calculus, statistics, computer languages and systems programming are particularly desirable.

PENN STATE intercom

Volume 3, Number 45

July 25, 1974

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

Trustees authorize open meetings

The Board of Trustees of the University has authorized the opening of its meetings to the public.

The action, taken at the regular July meeting, follows the passage of Pennsylvania House Bill 124, the so-called Sunshine Act, which was signed by Governor Shapp last week.

In taking the action, which has been under discussion at Board meetings for more than a year, the Board authorized the appointment of a committee of trustees and University administrators to establish procedures for conducting the first open meeting, scheduled for September 20.

Budget guidelines discussed

No tuition increase indicated

Guidelines under which the University will present its 1975-76 budget request to the State were discussed by the Board of Trustees last week.

Under the guidelines discussed, no increase in tuition for the 1975-76 academic year is proposed.

President John W. Oswald said the Trustees took the position that the policies for financing higher education as set forth by the Pennsylvania Association of Colleges and Universities are sound and call for no further increase in tuition at public universities.

The guidelines considered anticipate a total enrollment growth throughout the University of 600 to 1,000 students, Dr. Oswald explained. He said that the serious inflationary factors affecting both the living costs for employees, and thus salary increase requirements, and also the rising costs of materials the University uses, also are considered in the guidelines affecting the appropriation request.

Concerning the 1974-75 appropriation, signed Friday by Governor Shapp, Dr. Oswald said the trustees directed him to attempt to have legislation introduced when the Legislature returns in September which would provide a special \$1.7 million appropriation to enable Penn State to pay the employer's share of the additional mandated contributions to the State Retirement System. The additional costs were placed in effect after the request for the 1974-75 appropriations had been submitted.

U. Council comments on changes proposed by governance group

The University Council has decided to forward its comments on proposed changes in the composition and role of the Council to President Oswald.

Council discussed in detail comments prepared by a three-member subcommittee concerning a recommendation of the Joint Senate-Administrative Committee on Governance.

After further clarification and revision, the comments will be sent to the president, to be followed with recommendations on what members consider the most effective function Council can serve.

"There is an underlying feeling," said Charles J. Smith, Council vice chairman and director of the Goggin Campus, "that the Council as presently structured, uniquely made up of faculty, students and administrators, is perhaps one group in the University that can respond to questions without being an advocate of a partial segment of the University.

"We would not like to see a group such as the University Council with such broad representation done away with."

The governance report approved by the University Faculty Senate on May 7 recommended that Council become a coordinating body made up of the senior officers of the Senate, the student government bodies, and the Council of Academic Deans, with the University Provost continuing as a member.

Present functions relating to policy on academic program priorities, calendar policy, faculty-finding studies, and recommendations to the President would be discontinued under the joint committee recommendation.

In other business, Council reviewed the format of the results of the spring evaluation of courses and instruction by grad-

uating seniors as prepared by the University Division of Instructional Services. The results are to be sent to department heads for their analysis.

Council also agreed to recommend to President Oswald that Commonwealth Campus directors be given discretion to rearrange class schedules to compensate for local weather conditions. The action was taken in response to a letter from the Student Government Association at the Schuylkill Campus.

The next meeting of Council was set tentatively for August 22.

Fischer to head computer science

Dr. Patrick C. Fischer, chairman of applied analysis and computer science at the University of Waterloo, Ontario, Canada, has been named professor of computer science and head of the department of computer science, effective Aug. 19.

Dr. Fischer served on the Waterloo faculty for six years and was chairman of applied analysis and computer science from 1972. Prior to joining the faculty there, he served for one year as visiting associate professor in computer science at the University of British Columbia, Vancouver; associate professor in computer science at Cornell University; and assistant professor at Harvard University.

Dr. Fischer received the bachelor of science degree in mathematics and the master of business administration degree in actuarial science from the University of Michigan. His doctor of philosophy degree in mathematics was conferred by Massachusetts Institute of Technology.

Trustees approve new department; issue environmental statement

The Board of Trustees of the University took the following actions or received the following information at its meeting last week:

1. Approved establishment of a new Department of Engineering Science and Mechanics, combining the Department of Mechanics and the engineering science program administration. Until a permanent head of the new department is named, Dr. John R. Menter, professor of engineering science and head of the engineering science program, will be acting head of the new department. The current undergraduate program in engineering mechanics will be phased out gradually, although students currently enrolled will continue their bachelor's degree programs. College of Engineering Dean N. J. Palladino says the new department is responsible for offering programs leading to graduate degrees in engineering mechanics and the B.S.

Gotolski named assistant dean

Dr. William H. Gotolski, professor of civil engineering, has been appointed assistant dean for resident instruction in the College of Engineering.

He succeeds Dr. Walter C. Braun, professor of chemical engineering, who is now associate dean for instruction.

Dr. Gotolski received the bachelor of science and master of science degrees in civil engineering from Columbia University and the doctor of philosophy degree from Penn State. Prior to coming to Penn State in 1952, he was an instructor in civil engineering at Ohio University.

Methodology for control of pesticides

Environment center gets study grant

The University's Center for the Study of Environmental Policy will develop a benefit-cost methodology for use by Federal officials in their regulatory control of the production, distribution, and use of pesticides.

Dr. Terry A. Ferrar, director of the Center, said that the University has been awarded a grant of \$98,072 to conduct the 18-month study.

The Federal Insecticide, Fungicide and Rodenticide Act as amended and supplemented by the Federal Environmental Pesticides Control Act of 1972, grants the administrator of the Environmental Protection Agency comprehensive, regulatory

in engineering science.

2. Issued an Environmental Policy Statement which "supports both in philosophy and practice the preservation of the basic ecological integrity of all University locations. . . ." The statement recognizes officially and indicates support for the creation of University Environmental Quality Boards with coordination through the University Park Environmental Quality Advisory Board and the Office of the Vice President for Business. The Board approved an Environmental Impact Statement, which requires that an environmental impact assessment be made for all new construction projects at the University as an initial step in project planning and approval.

3. Approved construction and related plans as follows: (a) final plans for a cardiovascular research laboratory for the Hershey Medical Center which will be financed with a \$350,000 grant available from Kresge Foundation and matching funds from other grants and contracts, (b) preliminary plans for an addition to the outpatient services area and expansion of surgery facilities at the Hershey Medical Center, (c) final plans for an addition to the Helen Eakin Eisenhower Chapel, (d) preliminary plans for alterations and renovations at the Nittany Lion Inn at the University Park Campus, (e) construction of six lighted platform tennis courts adjacent to the tennis building at the University Park campus, to be financed by funds from athletic income, (f) granting of a right-of-way at Behrend College to PennDOT for construction of an acceleration lane on Interstate 90, involving transfer of 0.2 acres of land.

control over the use, production, and distribution of pesticides.

The objective of this project is to conduct a pilot benefit-cost assessment of the pesticide use decision which can serve as a basis of future work in the fulfillment of the administrator's legally mandated responsibilities.

Co-principal investigators for this project will be Dr. Donald J. Epp, associate professor of agricultural economics, and Dr. Lee M. Day, professor of agricultural economics. Dr. Epp is a specialist in the economics of natural resource use, and Dr. Day has extensive experience in Federal agency decision processes.

Surrealism conference is planned

An international conference to celebrate the 50th anniversary of the founding of Surrealism will be held at the University, November 7, 8, and 9.

Surrealism was founded by the French poet Andre Breton, who published the first "Manifeste du Surrealisme" in 1924.

The effects of the revolutionary movement on art, literature, film, theatre, and music will be discussed at the conference both by cultural historians and actual practitioners of Surrealism.

An art exhibit featuring major Surrealist paintings, sculpture, and photographs is planned, according to Dr. Robert Lima, head of the comparative literature program and conference organizer. Works from many

private collections and museums will be exhibited.

At the same time, Surrealist plays, films, music, and ballet will be presented. Rare books, manuscripts, journals, posters, and other items of the Surrealist movement will be on display during the celebration. For the conclusion of the conference, a Surrealist banquet is planned.

To record the events of the celebration, a program-catalog will be produced which will also make a permanent scholarly contribution, according to Dr. Lima.

The Institute for the Arts and Humanities studies is aiding in support of this conference.

J.J. Cramer named Faculty Fellow



Dr. J. J. Cramer

Dr. Joe J. Cramer Jr., professor of accounting, has been named an Arthur Andersen Faculty Fellow in the College of Business Administration.

The appointment was made by President Oswald, on the nomination of Dr. Eugene J. Kelley, dean, and colleagues in the College of Business Administration.

It is the second appointment to be made since the Trustees of the University on May 31 established the position of faculty fellow, as well as chairs and professorships supported by special grants from benefactors as a means to give special recognition and support to distinguished faculty members at Penn State.

In June, Dr. William L. Ferrara, also a professor of accounting in the College of Business Administration, was named a Price Waterhouse Faculty Fellow in the College.

Dr. Cramer's appointment will extend for a five-year period, with support from Arthur Andersen and Company.

Dr. Cramer, a native of Texas, has served on the University faculty since 1963. He is one of only a few blacks in the United States who holds a combination of the Certified Public Accountant certificate and a doctoral degree.

He has been involved in the recruitment of minority students, serving for four years on the Committee on Minority Recruitment and Equal Opportunity sponsored by the American Institute of Certified Public Accountants.

In the College of Business Administration, he has been active in administrative affairs, serving as acting head of the Department of Accounting and Management Information Systems. In 1971, chairing its Graduate Policy Committee, and working on the Committee on Faculty Recruitment.

Dr. Cramer received the bachelor of business administration degree from Texas Southern University and the master of business administration and doctor of business administration degrees from Indiana University. He has written numerous technical articles and coauthored a book with Dr. G. Kenneth Nelson, professor of accounting, "Budgeting Problems."

Three receive 25-Year Service Awards



Dr. James W. Shigley, left above, receiving the 25-Year Service Award certificate from College of Science Dean Thomas Marik, was appointed to the faculty as instructor in agricultural biochemistry in July, 1949, after receiving his Ph.D. at Penn State and serving as graduate assistant for three years following three years of military service. He was named assistant professor in 1953, associate professor in 1960, and professor of biochemistry in 1970. He has taught biochemistry courses from the elementary to the advanced courses and has done research in the physical and chemical properties of fatty acids. He received his B.S. from Penn State in 1940, then was a graduate fellow at the University of Maine for two years before receiving his M.S. degree there.



William H. White (second from right) received the University's 25-Year Service Award certificate from College of Agriculture Dean Dr. James A. Beattie, in the presence of his wife, Thelma (at his right) and Ellen M. Garber, assistant director of Extension for the eastern region, which includes White's Philadelphia County, where he is the county Extension director and county agent. A 1940 graduate of Penn State, after serving during World War II in the U.S. Marine Corps, White became an assistant extension representative in April of that year. He was promoted to county agent in 1955 and to his present title this year. His bachelor's degree was in dairy husbandry and he earned an M.S. degree in 1959 at the University of Missouri in agricultural extension.



When Leslie P. Greenhill (at right), assistant vice president for academic services and director of UDS, became eligible for the University's service award, the staff of the University Division of Instructional Services held a party, part of which included a recounting, with pictures and words, of Greenhill's life story. D. W. Johnson, left, who acted as master of ceremonies, presented a bound volume of letters, art and pictures which will now have photos of the occasion and of a later affair when President Oswald presented the 25-Year award certificate. Greenhill, native of Australia and educated there, served on the faculty of the University of Melbourne in 1946-47, was in Great Britain for a year for a search on using films and television for educational purposes, then came to Penn State to work in the Instructional Research Program, becoming associate director in 1955; this program became the Division of Academic Research and Services in 1960, and was named UDS in 1965. Greenhill was appointed director of UDS in 1965, assistant to the president for academic affairs in 1965, assistant vice president for resident instruction in 1967, and to his present title in 1970. He also holds the rank of professor of education. He has been concerned on many educational projects nationally and has authored many publications dealing with research on application of films and television to education.

Honors

Dr. Abraham Rosenberg, professor of biological chemistry at the Hershey Medical Center, has been selected as a Fulbright-Hays Scholar for the next academic year by the Board of Foreign Scholarships. He will be at the Louis Pasteur University and the National Center for Scientific Research in Neurochemistry in Strasbourg, France, beginning October 1.

Dr. Barnard Bissinger, professor of mathematics and chairman of the Mathematical Sciences Program at Capitol Campus, was awarded a certificate by the Center for Depreciation Studies of Western Michigan University for "Making and Administering Policy." The Center conducts an annual program in the study of depreciation, for members of public utility companies, telephone companies and consulting firms.

Appointments

Dr. William A. Vogely, former economic adviser to the U.S. Secretary of the Interior and acting assistant secretary for energy and minerals in the U.S. Department of the Interior, as professor of mineral economics Dr. Vogely, who has served also for 12 years as a professional lecturer at George Washington University, was director of the Office of Economic Analysis in the Office of the Secretary of the Interior during 1971-73. He has served also as director of the planning and analysis division of the Internal Revenue Service, assistant director for mineral resource evaluation in the U.S. Bureau of Mines, and Haynes Foundation Lecturer at the University of Redlands, Redlands, Calif. Dr. Vogely received the bachelor of arts degree in economics from Kenyon College, Gambier, O., and the master of

arts and doctor of philosophy degrees in economics from Princeton University.

Dr. Robert S. Dickey as adjunct professor of plant pathology. He has been a member of the Cornell University faculty since 1952. His principal areas of research for the past six years have been phytopathogenic bacteria and bacterial diseases of plants.

Changes in status

Changes in status for three members of the staff of the University Libraries have been approved by the Board of Trustees. The title of Murray S. Martin has been changed from associate director of libraries to associate dean of University Libraries. The titles of Charles Nesbitt and Edward R. Johnson have been changed from assistant director of Libraries to assistant dean of University Libraries.

Funding Opportunities

Instruction—Research—Continuing Education—Fellowships

For procedural and funding source information, call 865-1372.

July 25, 1974

(139-1) Overseas study of foreign languages and area studies by Ph.D. holders and doctoral candidates is supported by the Office of Education (OE). For 1975-1976 awards to Individuals, OE announces a deadline for Oct. 15, 1974 (Oct. 1 for group awards). Guidelines are unchanged from previous years and the same foreign currency countries of Egypt, India, Pakistan, Poland and Tunisia are eligible. Materials and information are available from: International Studies Branch, Div. of International Education, Office of Education, OHEW, Washington, D.C. 20202; Ref. CAU 3476, p. 3.

(139-2) The Health Resources Administration (HRA) and the National Library of Medicine (NLM) have collaborated to create the Office of Audiovisual Educational Development for the purpose of investigating and promoting new technology in the development of audiovisual products for health sciences education. Instructional materials for undergraduate education receive priority, followed by graduate education and continuing education. Initially the greatest need is the development of instructional materials in basic

health sciences education: anatomy, physiology, biochemistry, pathology, physical diagnosis, "life-threatening emergencies," and primary care. The next three deadlines are Sept. 1, 1974; Dec. 1, 1974; and March 1, 1975. Additional information and contract guidelines are available from: Robert E. Sumpter, Program Project Coordinator, Office of Audiovisual Educational Development, Bureau of Health Resources Development, 1600 Clifton Road, N.W., Atlanta, Ga. 30333 (404)633-3351 (Ref. ODP 227, p. 255f).

(139-3) The American Chemical Society will offer continuing education courses to chemists and chemical engineers through an NSB, OOD NSF grant. Designed to update the skills of chemists and engineers, the continuing education program is part of a larger effort by the National Science Foundation to furnish similar programs for other professionals. ACS will develop, design, produce, evaluate, market and distribute continuing education materials in chemistry using in part computer-assisted instruction, color videotapes, audiocassettes, films, and printed matter for use-controlled short courses. NSF anticipates support for continuing education

projects in other fields. For additional information call Walter H. Dodd, NSF (202)632-5704. (Ref. NSF 74-163 7/5/74).

(139-4) The National Science Foundation (NSF) Office of International Programs administers Cooperative Science Programs to foster the interchange of information among U.S. and foreign scientists, scientific activities, basic research, and assistance to U.S. institutions for research abroad. Cooperative research, seminars, and scientific visits are paramount in the programs with Australia, Rep. of China, Eastern Europe, Italy, Latin America, and Japan. Research in mathematical, physical, chemical engineering, biological and social sciences is emphasized in the U.S.-India program. Basic and applied research in the natural sciences, agriculture and health sciences, science services, and special technologies in transportation, energy, earth zone research, and environmental problems are featured in the U.S.-Israel program (Sept. 1 and March 1 next specified deadlines). Requirements and review periods vary among the eleven program areas: Contact areas follow. Each telephone extension should be preceded by (202-632-4300). Australia and India: Dr. Max Hellman (5680); Japan and China: Dr. J. E. O'Connell (5782); France and Italy: Henryk Uznanski (5756); Romania and East European: Dr. Robert Hull (5756); USSR: Dr. John Thomas (5741); Spain and Latin America (6811); and Israel: Dr. R. R. Ronkin (5795). For mailing:

NSF, 1800 G Street, N.W., Washington, D.C. 20540 (Ref. ODP227, p. 261f).

(139-5) National Endowment for the Arts (NEA) Office of Contemporary Arts administers fellowships for experienced professional designers to develop new skills and concepts. (They are not intended for formal education.) Applicants formulate short-term fellowship programs. The next application deadline is Jan. 6, 1975. Grants of \$10,000 are given for 6-12 months. For further information write to address given above (Ref. ODP 74-163 7/5/74).

(139-6) National Science Foundation (NSF) set Dec. 2, 1974 as the deadline for its 1975 NEA season Program (May 16 INTERCOM 2129-4). The U.S. who have not completed one year of graduate study may apply. For further information and application forms write to NEA Office, National Research Council, 2101 Constitution Ave., N.W., Washington, D.C. 20546. (Ref. ODP 74-163 7/5/74).

REMINERS AND DEADLINE DATES
1. For NSF Instruction Improvement Program (May 16 INTERCOM 2129-4).
1. For NEH Development Grants (May 16 INTERCOM 2130-2).
1. For NSF U.S.-Japan Cooperative Science Program (June 20 INTERCOM 2134-2).
1. For NSF Dept. Transportation University Grants (July 18 INTERCOM 2138-3).

PROSIM adopted as teaching device in Russian university

PROSIM, a computer management simulation production package, developed by Dr. Paul S. Greenlaw and Dr. Michael P. Hohenstein, professors of management, is to be used as a teaching device at Moscow State University, U.S.S.R.

Basically, a learning package in which students play a business game, PROSIM is used to aid the understanding of various theories, analytical tools and concepts in the field of production. It has been

Totalling more than \$8 million

Higher education grants aid over 15,000 at Penn State

More than 15,000 students at the University received some \$8 million in Pennsylvania higher education grants during the 1973-74 academic year.

Kenneth R. Reether, executive director of the Pennsylvania Higher Education Assistance Agency, said the agency processed 18,675 applications from Penn State students.

A total of 15,501 grants, valued at \$8,186,276, were awarded for the academic year.

Three memorial scholarships set

Three memorial scholarship and prize funds were announced by the Trustees last weekend.

Honoring the late professor emeritus of Greek, a Robert E. Dengler Memorial Classics Prize Fund was established, with funds provided by the classics faculty, former students and friends of Dr. Dengler; additional funds may be made available by interested persons or groups. Dr. Dengler, who served on the faculty for 35 years before retiring in 1955, died last September.

The Irving L. Foster Memorial Award, which honors the professor of Romance languages who was a member of the faculty from 1896 to 1929, was established at the instigation of Richard F. Mezzotero, of Hamden, Conn., a former student of Dr. Foster's, who contributed \$1,000 to the fund; an additional amount was provided by a nephew, Warren C. Foster, of Washington, D.C. The award will be given to an outstanding student majoring in French, Spanish, or Italian, being rated among the three majors annually.

Graduate students who have held assistantships in mathematics will be aided by the Charles H. Hoover Memorial Fund which was established with funds provided by Mrs. Margaret H. Hoover, of Philadelphia, in memory of her husband, who was a 1928 graduate of Penn State. The yearly award will be made to the assistant who has demonstrated excellence in teaching during the current year.

Through funds provided in the estate of Dr. Martin J. Eyster, a 1925 alumnus who majored in chemistry, a scholarship fund has been established for the benefit of full-time undergraduates majoring in chemistry who have completed two years of study with a superior academic record.

Vol. 3, No. 45
Penn State INTERCOM is a weekly publication for the academic community. The Pennsylvania State University, published each Thursday where news is in session. General information and items for the calendar should be written to the editor by Thursday of the week preceding publication. Editor: Dr. Old Main, Room 605-7517. Phone 865-7517.

Staff vacancies

University faculty or staff members who are interested in any of the staff exempt or staff regular jobs listed below may apply by calling ENR001, Division 865-1327 (Network Line 476-1327). Do not contact the area having vacancy. Vacations will be accepted until: 5:00 p.m., Aug. 8, 1974.

ENGINEERING AIOE, COLLEGE OF ENGINEERING

University Park
Responsible for the design, construction, testing and maintenance of complex and technical research devices and equipment such as electron microscopes, high vacuum systems, and electron detectors, and for assistance in the preparation of proposals in technical development of research facilities such as fabrication methods and materials specifications and ordering. Associate degree or equivalent and two to four years experience in precision machine shop.

ASSISTANT DIRECTOR OF NURSING — **Marcelline Center**
Participate in developing a written philosophy and objectives for the Nursing Department which are

published by International Textbook Company.

According to Professor V. M. Efimov, a faculty member of the Soviet Institution, he and his colleagues have been able to convert the American PROSIM FORTRAN computer program into the Soviet Union's computer system. Professor Efimov adds that some faculty members have experimentally played the game, using all the analytical

Included were awards to 2,564 Vietnam War era veterans valued at \$1,887,783.

According to PHEAA, the number of state higher education grants represented approximately 41 per cent of the Pennsylvania residents enrolled as full-time undergraduate students at Penn State.

In its student loan guaranty program, PHEAA reported that 5,760 Penn State students, including 367 graduate students, received loans totaling \$8,734,296.

News in Brief

SCULPTURE FOR MRL

The Carbournum Co., Niagara Falls, N.Y., has donated a sculpture by the Mexican artist Feliciano Belar to the Materials Research Laboratory, as part of the company's Awards for Excellence program. Two other art works, by Dame Barbara Hepworth and Max Bill, were donated previously to MRL for its permanent collection, which includes works acquired with the assistance of the University's Office of Gifts and Endowments.

CAPITOL EDITORS

Dr. Richard Heindel and Dr. Robert Bresler, of the Capitol Campus faculty, are editors of the magazine "Intellect," which has been expanded recently. Dr. Heindel, who is professor of international relations, is editor of the international affairs section; and Bresler, associate professor of social sciences, is editor of the national affairs section. The magazine, published by the Society for the Advancement of Education, grew out of the publication "School and Society." It will begin publication in October in its new form.

FRIZZELL AWARD

The ninth annual John Henry Frizzell Award, of \$300, given by the Pennsylvania Lambda Education Foundation of Phi Kappa Psi, has been given to Patrick J. Sobinski, of East Stroudsburg, junior in political science. The award honors Mr. Frizzell, professor emeritus of public speaking and University Chaplain emeritus.

BOOKSTORE MANAGER

F. Owen Heney, director of stores at the University of Vermont for the past 12 years, has been named manager of the University Park Bookstore, effective August 15. Daymon M. Henson, who organized and operated the bookstore which opened in March of last year, will again devote full time to his responsibilities as coordinator of Commonwealth Campus bookstores, a position he has held since 1970. Heney, served at Bucknell University, 1961-62, and earlier was a student assistant to the bookstore manager at Keene State College, Keene, N.H.

compatible with the purpose of the Medical Center; guide the Nursing Care Coordinators in ensuring that the needs of the Nursing Service Department are familiar with established standards and their responsibilities and upholding them; supervise the Nursing Care Coordinators on the 3-11 and 11-12 shifts. Conduct performance evaluations for employees directly supervised and plan formal and informal communication conferences with them. Master's degree or equivalent in nursing service administration plus four to six years of related experience preferably in a teaching hospital environment.

LABORATORY WORKER, COLLEGE OF AGRICULTURE — University Park

Supervise laboratory analyses including nitrogen, fiber, fat, energy, ash, and dry matter. Manage flow of samples, laboratory inventories and coordinate work of technical service employees and Research Aides. Occide on priorities of samples to be analyzed. Assist in teaching and training of laboratory techniques to undergraduate and graduate student classes. Operate calculator; prepare data for computer analyses. Collect tissue and physiological fluid samples, assist in collection of data on experimental analyses, as required.

materials provided to understand the dynamics.

In the near future, three periods of "play" will be undertaken by five Russian students, and plans call for the formal introduction of PROSIM into the institution's educational program by having students play PROSIM once a week, in much the same way PROSIM has been used in numerous schools of business and management in the United States.

Reether said the State Higher Education Grant Program assisted some 99,000 Pennsylvania students to attend the post-secondary educational institution of their choice in the 1973-74 academic year. Included are 11,300 Vietnam War era veterans.

The loan program processed \$59 million in guaranties to Pennsylvania residents enrolled in Pennsylvania colleges and universities.

PIANO RECITAL

Tier Gemberling, pianist, will present a recital of music by Haydn, Brahms, and Beethoven at 8:30 p.m. Friday, July 26, in the Music Bldg. recital hall.

An instructor in music, Miss Gemberling is a graduate of State College High School and received the bachelor of fine arts degree in music from the University in 1973. She was a member of the University Choirs and Penn State Singers.

RETIRED STAFF CLUB

Membership in the Retired Staff Club, the organization of University faculty and staff members (and spouses) who have retired, stands at 566, a report by Van D. Bisey, membership chairman, indicates. The Club's annual picnic will be held September 5 at the Civil Engineering Camp at Stone Valley.

ARTS APPOINTMENTS

Two appointments related to the arts have been made: Theodore S. Glatas as manager of University auditoriums and Carrol D. Price, II, as assistant to the director of University Arts Services. Glatas will manage functions in both Schwab and the University Center auditoriums. Price will coordinate fund-raising and promotional efforts and the development of a central information office for the arts.

LEAVES

Dr. Alfred J. Engel, professor of chemical engineering, will teach two graduate courses and aid in establishing a graduate research program at the University of Negel, Beer-Gheva, Israel, while on leave during the 1974-75 academic year as a Fulbright-Hays Senior Lecturer in Chemical Engineering.

Dr. Arthur L. Boettcher, professor of geochemistry and chairman of the geochemistry and mineralogy section, College of Earth and Mineral Sciences, will be at the Menlo Park, Ca., office of the U.S. Geological Survey and the University of British Columbia, Vancouver, for six months beginning next January, continuing his research related to the origin, evolution and nature of the interior of the Earth and other terrestrial planets.

Associate degree or 3-5 years experience in analytical work and an additional 1-2 years in supervisory work including coordination of research efforts. Must have ability to get along with end communicate with people.

FINANCIAL OFFICER, CONTROLLER'S OFFICE — Beaver Campus

Responsible to the Controller, through the Director of Financial Officers, and to the Campus Director in financial and administrative matters pertaining to University and Campus policies and procedures. Bachelor's degree in accounting or equivalent plus over four years up to and including one year of related experience.

RECORDER, COLLEGE OF HUMAN DEVELOPMENT — University Park

Coordinate and maintain a data system to fulfill the requirements of various agencies and departments. Prepare and maintain enrollment statistics and project student rotation schedules. Provide information to students concerning program requirements, recommend course offerings, uniforms and equipment, malpractice insurance, etc. Coordinate current information with all nursing advisors. Admit and screen students for credit by examination. Bachelor's degree or equivalent with six to nine

Electrical work

Electrical service to a number of buildings on West Campus at the University will be interrupted from 2 to 8 p.m. today (Thursday, July 25), to make repairs to the electrical distribution system.

Buildings affected include the Nittany Lion Inn, Recreation Bldg., Kern Graduate Bldg., J. Orvis Keller Bldg., Social Science Bldg., all units of West Halls, Noll Laboratory for Human Performance Research, Applied Research Bldg., Deike Bldg., Food Stores Bldg., Service Bldg., Electrical Engineering, East and West units, Ihseng Bldg., Water Tower No. 1, and the touch football field.

WPSX highlights

The life and career of England's Sir Arthur Conan Doyle is the focus of the next dramatization on "Masterpiece Theatre." Sunday, July 28, at 9 p.m. and Friday, Aug. 2, at 9 p.m. on WPSX-TV, Channel 3. This program about the creator of the famed sleuth Sherlock Holmes is presented as part of "The Edwardians."

William F. Buckley's guests on "Firing Line" Sunday, July 28, at 10 p.m. are Dr. Russell Roth, president of the American Medical Association, and Max Fine, executive director of the Committee for National Health Insurance. The two will exchange views on new national health insurance proposals and the possibility of federally-insured medical care.

Anne Jackson and Eli Wallach star in "The Typists" Wednesday, July 31, at 9 p.m. and Saturday, Aug. 3, at 9:30 p.m. on "Hollywood Television Theatre." The play, written by Harold Pinter, is a touching comedy of two people who are caught up in the routine of office existence.

The history of hunting in Pennsylvania and ways that hunting license revenues pay for the conservation efforts in the state are outlined on "Conservation and the Hunter," Thursday, August 1, at 7:30 p.m., Friday at 3 p.m. and Saturday at 1:30 p.m. The program features John Behel, hunting safety coordinator of the Pennsylvania Game Commission and is produced by Penn State Television. "Conservation and Hunter" is the first of a new 5-part series called "Safe Hunting."

Award winners

Three special citations were awarded to the Department of Publications, directed by Jean W. McManis, by the American College Public Relations Association, Association of American University Presses, and Graphis Annual, at the ACPPA meeting in Atlanta, Ga., July 10.

The three publications cited were "Penn State Libraries," designed by Glenn Ruby, now art history editor of the University Press; the 1973 Festival of American Theatre programs and posters, designed by Larry Krezo, art assistant in Publications; and "The Western by Penckpach," a poster designed by Joe Kredlow, art assistant in Publications.

In addition, a book jacket designed by Marilyn Shoben, art editor of Publications, was among the winners in its category and will be shown in an exhibit which will travel throughout the U.S. and Canada. Also, the program designed for the 1973 exhibition by Hungarian and U.S. gymnasts will be included in Graphis Annual, an International collection of award-winning graphic art. A former art assistant, Maria de Febo, designed the program.

months experience with administration. A working knowledge of the nursing program at Penn State would be an engineering asset.

NURSING STUDENT, COLLEGE OF HUMAN DEVELOPMENT — University Park

Coordinate and insure the efficient operation of courses and clinical experiences. Skills offered at the Benedict House. Plan and schedule student testing of required fundamental skills involved in nursing courses such as catheterizations, medications, etc. Order and maintain an inventory of soft materials and nursing supplies utilized in demonstrating nursing skills. Registered Nurse with one year practical experience in basic nursing skills.

ENGINEERING AIOE, APPLIED RESEARCH LABORATORY — University Park

Functions as an engineering aide performing required signal systems processing, data computations and analysis, and system checks and calibrations. A minimum of an Associate degree in electronics or related plus experience in signal processing and related areas is required.

THE UNIVERSITY IS AN EQUAL OPPORTUNITY EMPLOYER.

Veteran actor has long-time connection to Penn State



Max Gulack

Max Gulack's friendship with Penn State theatre productions goes back to the days of the barn playhouse at Standing Stone, which had a sometimes leaky roof and set furnishings on an occasion left something to be desired in the way of stability. Nothing like the outstanding facilities and sets of today's Playhouse in the Arts Building and Pavilion Theatre down the street a block.

Max has two roles in Festival Theatre this year. Currently he is Dr. Crumley, in "Harvey," at Pavilion. Next week he will be Charlie, in "Death of a Salesman." They're two quite contrasting roles, but then Gulack has had a wealth of experience in all kinds of theatre productions as well as radio, films, and other media.

His first association with Penn State theatre offerings at Mater Playhouse (near Neff's Mills, 20 miles from campus) in 1962 was in "Tiger at the Gates," the Christopher Fry adaptation of Jean Girardoux's "The Trojan War Shall Not Take Place." In that same summer he was in "A Thurbur Carnival," a musical review of representative stories and fables by James Thurber; Robert Penn Warren's "All the King's Men"; "Send Me No Flowers," and Norman Barasch-Correll Moore comedy; and "Blood, Sweat and Stanley Poole," in which he played a not-too-bright P.C. Rooney, obviously a character role.

Gulack was also in the summer theatre company which opened Pavilion Theatre the following year. He was Dr. Bonfant in the Jean Anouilh comedy, "The Waltz of the Toreadors" and Dr. Maguire (type-casting?) in "Look Homeward, Angel," by

Ketti Fring. One of his outstanding roles here came that same summer, as Jean, in "Rhinoceros," by Eugene Ionesco.

Also, in 1963, Max played Uncle Ben, in

"Death of a Salesman." It is not the same role but it's the same play in which he winds up another summer at Penn State. It's apparent he likes to come here.

"Harvey" will continue at Pavilion through Saturday, July 27. "Death of a Salesman" opens Friday, August 2 and continues through August 10 with the exception of Monday, August 5. There are matinees Saturday, August 3 and 10.

The Cole Porter musical show, "Kiss Me Kate," opens Thursday, August 1, at Playhouse theatre, directed by Gene Lesser, a member of the drama faculty at the Julliard School since 1948. The show will star Tanny McDonald (who also starred in "Finian's Rainbow" which opened the current season) Fred Suthman, Judd Jones, and Ray Fry (who also appeared in the same show).

Tickets for "Death of a Salesman" and for the musical "Kiss Me Kate" which opens at Playhouse Thursday, August 1, may be reserved by calling 865-1884. But they are going fast.

Alumna Weisberger labored hard for Ballet's success

The executive artistic director of the Pennsylvania Ballet, which opens a series of six week-end concerts August 2, is Barbara Weisberger, a Penn State alumna who founded the company eleven years ago.

Concerts will be given at 8 p.m. Friday and Saturday August 2 and 3, 9 and 10, and 16 and 17, in the new University Auditorium, with a different program each week-end. Free public sessions with the chore-

ographer, George Balanchine. She enrolled in college at the age of 16 and was graduated in three years. There followed two years of grade school teaching. These years away from the ballet terminated any career ambitions she may have had as a performer, but her love of the dance led her to rejoin her family in Wilkes-Barre where she began to teach ballet.

By 1956 her school had produced a

Free tickets for informal sessions

Free tickets for the informal sessions with professional artists performing in the events of Nittany Mountain Summer are available at the University Auditorium and Festival Theatre box offices. Among the summer's free offerings are the Pennsylvania Orchestra concerts at 8:00 p.m. on July 31, Aug. 7, and Aug. 14 in the Music Building Rectal Hall. Conducted by Pennsylvania Ballet music director Maurice Kaplan, the concerts will feature selections of music from seven centuries.

Saturday afternoons will feature "at ease" sessions with the Pennsylvania Ballet associate artistic director, Benjamin Harkavy, and company dancers, at 4:00 p.m. in University Auditorium. Harkavy will discuss a different topic each Saturday, August 3, 10, and 17, including how a

ballet is choreographed, current dance trends, and the relationship of dancer and choreographer as ballet artists.

In the Festival Theatre, the director and several performers and technicians from the production of "Kiss Me Kate" will offer a behind-the-scenes look at the show at 4:00 p.m. on Friday, August 8, in the Playhouse. On Thursday, August 9, also at 4:00, "Death of a Salesman" will be the subject in the Pavilion.

The theatre, ballet, and concerts sessions will all be informal, casual forums in which audience participation in discussions will be encouraged. Admission will be by free ticket only, until 5 minutes before the session begins when available seats will be released to non-ticket holders.

regional company of good dancers, but the area's relative isolation from a major population center limited the growth potential of her dancers and the company. The situation led Brooklyn-born Mrs. Weisberger to start a school in Philadelphia in 1962.

A year later, the Pennsylvania Ballet was formed with ample encouragement and advice from Balanchine. A major gift from the Ford Foundation sustained the company's early development and provided the



"Gueriel," performed by Pennsylvania Ballet members Enid Britten, Dore Lafontes, Janek Schergen, and Gretchen Warren, will be discussed by Benjamin Harkavy during the Ballet's "At Ease" session Saturday, Aug. 3, at 4 p.m. in the University Auditorium.

catalyst for enlarged corporation, foundation, and individual support.

At the time, Mrs. Weisberger, in addition to handling artistic matters, shouldered a major share of the responsibility for stimulating and promoting public interest in the Pennsylvania Ballet's future. She also rallied the world's finest choreographers to contribute ballets to the company's repertoire, which today includes 60 dance works embracing every significant trend and movement in the evolution of ballet.

Barbara Weisberger's impact on the American dance scene has resulted in numerous honors including an honorary doctor of humane letters degree from Swarthmore College, the 1971 Medal of Achievement from the Philadelphia Art Alliance, an honorary doctor of fine arts degree from Temple University, and a Distinguished Alumna award from Penn State.

ographer and associate artistic director, Benjamin Harkavy, with company dancers will be held in the Auditorium at 4 p.m. prior to each Saturday's concert.

Ticket information for the Ballet and all Nittany Mountain Summer Events is available at the University Auditorium box office, 865-2242. Tickets for the afternoon sessions can be obtained at no charge at the same box office.

As a youngster, Mrs. Weisberger studied ballet with the famed choreographer and

And there will be other kinds of dancers too

More than 800 enthusiastic dancers from seven or eight states will converge on the University Park campus the weekend of August 3-4 for a music-filled summer festival.

A two-day youth rock concert? Hardly — at least one of the dancers will be over 70-years-old.

They'll be do-si-do-ing, not boogalooing, at a unique and colorful event that once again will show "square dancing is here to stay."

The event is the 21st annual Penn State Square Dance Festival, an affair that brings together square dancing fans, ranging in age from the mid-tens to the mid-70s, for a weekend of instruction and fun.

Square dancing in Pennsylvania is bigger and better than ever, says Dr. Fred C.

Snyder, director of short courses for the College of Agriculture and coordinator of the Festival. While more than 800 will participate, many more have been turned away because of lack of space.

It seems that square dancing is very serious business at times, and many dancers return annually to the Festival to attend the various instructional clinics. Dr. Snyder points out that many square dancers are intricate and require much practice and knowledge. He advises that nothing "wrangles" a serious square dancer, more than being labelled a "barn dancer."

But is there really that much new about square dancing that requires dancers to attend clinics every year?

"There sure is," says Dr. Snyder. "For instance, when a square dance caller de-

velops a new dance it's as if he wrote a book. His name often goes along with the new dance."

The Penn State Festival is one place where an aspiring square dance caller can develop his technique. Experts will be on hand to break them in and teach them the latest calling methods.

But the work pays off on Saturday night at the traditional closing square dance. Its "real Americana," claim the dancers, who fill two ballrooms. And Dr. Snyder adds that the closing dance isn't something that can be ended by telling the dancers the party's over.

"When it's all done," he says, "they go back to their motels and residence halls where they've been housed and start dancing in the lobbies."

Calendar July 25-Aug. 4

Special events

Thursday-Saturday, July 25-27 — Festival of American Theatre, "Harvey," 8 p.m. Saturday matinee, 2 p.m., Pavilion Theatre.

Friday, July 26 — Teri Gemberling, piano recital, 8:30 p.m., Music Bldg. rectal hall.

Friday, July 26 — Duplicate Bridge Club tournament, 7:30 p.m., HUB ballroom.

Friday, July 26 — Commonsplace Coffee house, 8 p.m., Room 102 Kern. Featuring "John Elliott" and "Open Mike."

Sunday, July 28 — Interlandia Folk Dance, 7:30 p.m., HUB ballroom and terrace.

Sunday, July 28 — "Topics of the Times" weekly discussions sponsored by Campus Ministries at the University, 9 p.m., Johnson (East halls) Hall Free Talk Center. Open to everyone.

Monday, July 29 — Duplicate Bridge, 8:45 p.m., HUB ballroom.

Monday, July 29 — Penn State Overcomers, 7:30 p.m., Room 220 Boucke.

Wednesday, July 31 — Chess Club, 8 p.m., ground floor HUB.

Wednesday, July 31 — Meditations, sponsored by Office of Religious Affairs, 12:30 p.m., Eisenhower Chapel. Rev. Joseph U. Gerg, O.S.B., Catholic Chaplain, or "Spirit."

Wednesday, July 31 — Shirt Sleeve Concert, Pennsylvania Orchestra, 8 p.m., Music Bldg. rectal hall.

Thursday-Sunday, August 1-4 — Festival of American Theatre, "Kiss Me Kate," 8 p.m. Sunday, 7:30 p.m.; Saturday matinee, 2 p.m., Playhouse Theatre.

Friday, August 2 — Commonsplace Coffee house, 8 p.m., Room 102 Kern. Featuring "John Elliott" and films.

Friday-Sunday, August 2-4 — Festival of American Theatre, "Death of a Salesman," 8 p.m. Sunday, 7:30 p.m.; Saturday matinee, 2 p.m., Pavilion Theatre.

Friday-Saturday, August 2-3 — Pennsylvania Ballet in Concert, 8 p.m., University Auditorium.

Saturday, August 3 — At ease with the Pennsylvania Ballet, 4 p.m., University Auditorium.

Note, Please

INTERCOM will print a Fall Term calendar in its September 5 issue. Departments or organizations having material to include in this calendar should send it to the Editor, Room 312 Old Main, by FRIDAY, AUGUST 16.

Films

Thursday, July 25 — Commonsplace Theatre, 8 and 10 p.m., Room 112 Kern. "Sherlock Holmes Faces Death."

Monday, July 29 — Commons Middle Cinema, 12:30 p.m., Room 112 Kern. "The Great Escape."

Wednesday-Friday, July 31-August 2 — Commonsplace Theatre, 8 and 10 p.m., Room 112 Kern. "Something for Every One."

Meetings

Tuesday-Saturday, July 30-August 3 — The 21st Biennial Conference on Chemical Education and the second Centennial of Chemistry celebration.

Exhibits

Issue of Art — Milton Osborne Drawings, Gallery A. Central Pennsylvania Festival of the Arts, Gallery C, through July 28. Philadelphia Artists, Gallery C, opening August 4. Free Museum hours, 10:30 a.m. to 5:30 p.m.

Zoller Gallery — MFA Show, Jeffrey H. Spaulding and Pamela F. Turner, through July 27. MFA Show, Robert Diercks and Chriss Manchester, opening July 28.

Commons Gallery — Central Pennsylvania Festival of the Arts Juried Exhibition through July 28. Joyce K. Stover, jewelry, through July 30. Rebecca Kampen metal sculptures, opening July 29.

HUB specials

Sunday, July 29 — Dinner, grilled ham steak, \$1.95; supper, included with cake, \$1.95. **Monday, July 29** — Lunch, stuffed tomato with chicken salad, \$3.49; dinner, chicken Macaroni, \$1.30.

Tuesday, July 30 — Lunch, franks and beans, \$.58; dinner, meatloaf, \$1.05. **Wednesday, July 31** — Lunch, Oceanburg, \$1.15; dinner, spaghetti with meat sauce, \$1.34.

Thursday, August 1 — Lunch, lasagna, \$.25; dinner, beef pie, \$1.25. **Friday, August 2** — Lunch, macaroni and cheese, \$.95; dinner, french fried clams, \$1.34.

Saturday, August 3 — Lunch, stuffed spaghetti, \$1.10; dinner, cheese Salisbury steak, \$1.25.

PENN STATE intercom

Volume 3, Number 46

August 1, 1974

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

Murray named assistant director

Zubrod acting director at Altoona

Jack G. Zubrod, a member of the faculty since 1946, first at Dubois Campus and since 1951 at Altoona, is serving as acting director of the Altoona Campus, and Dr. Dennis E. Murray has been named assistant director for resident instruction.

A graduate of the University of Pittsburgh, Zubrod taught at Portage High School, worked as a civilian electronics inspector for the Navy Department, enlisted in the Navy and served in the Pacific Theatre until 1946, then joined the DuBois faculty, as instructor of botany. He was promoted to assistant professor of biological sciences when he transferred to Altoona in 1951 and in 1955 was named Dean of Faculty, a title which later became as-

sistant director for resident instruction. He was instrumental in forming the faculty senate at the campus, later serving in the University Faculty Senate and on a number of its committees and task forces. He is currently chairman of a task force developing a five-year plan for the campus.

Dr. Murray, a member of the Altoona faculty since 1967, is a graduate of Slippery Rock State College, earned a master's degree at Duquesne University, and was granted the Ph.D. by Penn State in 1937. He is assistant professor of education. Before joining the faculty he taught in Franklin Area School District, Plum Borough, and Oakmont districts, and at Robert Morris Junior College.

H. Lee Mathews heads marketing

Dr. H. Lee Mathews, professor of marketing, has been named acting head of the Department of Marketing. Dr. Peter D. Bennett, professor of marketing, resigned as head of the Department, effective July 1, to return to full-time teaching and research.

Dr. Mathews has served on the faculty at the University since 1965. His main areas of research are marketing planning and strategy for both consumer and industrial products companies.

The author of numerous articles appearing in business journals, Dr. Mathews has served as a consultant to various firms, including General Electric, Sperry Rand, Eastman Kodak, and Standard Steel.

Center exhibit

Art works of a painter, a photographer, and a ceramic artist are featured in an exhibit at The Cultural Center, Walnut Bldg., which will run from August 5 to September 14.

Murry DePillars, currently a candidate for the Ph.D. in art education, has exhibited his art, described as revolutionary, in many one-man and group exhibitions, among them the Museum of Science and Industry in Chicago and the Whitney Museum of American Art in New York. A native of Chicago, he holds B.A. and M.A. degrees from Roosevelt University.

Photographer Robert Jackson, who developed his skills while attending Washburn University, describes the objective of his work "to communicate humanistic expressions." He has exhibited in galleries in Chicago and at the Ann Arbor Art Center in Michigan and the Johnson's Wax Gallery, Racine, Wis.

Lawrence Jordan, who received a B.S. in art education from Penn State in March of this year and is currently working on an M.Ed. degree, will exhibit ceramic forms.

Fellowships given

Two research fellowships have been awarded for Winter and Spring Terms, 1974-75, by the Institute for the Arts and Humanities Studies.

Dr. Roy L. Austin, assistant professor of sociology will carry out research on the topic of Romanticism and Caribbean political integration, and Dr. Trond Gilberg, associate professor of political science, will study the use of literature and art as agents of political socialization in Romania.

The Age Khan prize for fiction

West gets Paris Review award

The "Paris Review" 1974 Aga Khan Prize for Fiction, named for the "Reviews" founder and publisher, has been awarded to Paul West, professor of English and comparative literature, for his short story, "Tan Salaam," published in the "Paris Reviews" 20th Anniversary Issue of Spring 1974.

The \$500.00 Prize is given annually for the best piece of short fiction, in English or in translation from another language, published by the "Review" in the preceding twelve months.

VSC volunteers number 2,300

A report of the Volunteer Service Center at the University reveals that more than 2,300 volunteers from all of the Colleges of the University served in individual and group projects during the past academic year.

The report, released by Dr. Melvyn S. Klein, director of Student Activities, indicates that 873 individuals participated in 55 group projects, while 1,433 persons undertook projects as individuals, 274 of them of a tutorial nature.

There were 515 former individual participants and 30 groups who returned as volunteers from previous years; new participants numbered 994 individuals and 31 groups.

All colleges of the University and the Graduate School were represented, with the most coming from the College of Education (366) and the Liberal Arts (361).

Judging was by the "Reviews's" board of editors, including George Plimpton, Peter Mathlessen, and William Styron. Among previous winners of the Aga Khan Prize are Philip Roth, Christina Stead, and Mordecai Richler.

West's story, one of three which he presented at the English Colloquium during the Spring Term, is about a self-styled Tanzanian guru, Tan Salaam, who lives in the Serengeti grasslands and is visited by an interviewer from the United States.

Services rendered include work in nursery schools (including Head Start), tutoring and teacher aides, community service, youth development, and services to the handicapped and retarded and to nursing homes and hospitals.

The projects, in addition to teaching, ranged from services to individuals and community projects to money-raising activities for such humanitarian enterprises as UNICEF and entertainment of children, underprivileged, and elderly persons.

Participating groups included fraternities and sororities, groups from residence halls, and various campus clubs.

A summary report of Volunteer Service Center's activities from its inception in October, 1968, to May, 1974, indicates that nearly 13,000 volunteers have served in individual and group projects in the past five and a half years.

Calendar — August 1-11, 1974

Special events

Thursday-Sunday, August 1-4 — Festival of American Theatre, "Kiss Me Kate," 8 p.m. Sunday, 7:30 p.m.; Saturday matinee, 2 p.m., Playhouse Theatre.

Friday, August 2 — Commonsplace Coffeehouse, 8 p.m., Room 102 Kern. Featuring John Davide, and films.

Friday-Sunday, August 2-4 — Festival of American Theatre, "Death of a Salesman," 8 p.m. Sunday, 7:30 p.m.; Saturday matinee, 2 p.m., Pavilion Theatre.

Friday-Saturday, August 2-3 — Pennsylvania Ballet in Concert, 8 p.m., University Auditorium.

Saturday, August 3 — At Ease with the Penn HUB ballroom, 4 p.m., University Auditorium. No admission charge.

Sunday, August 4 — Interludia Folk Dance, 7:30 p.m., HUB ballroom and terrace.

Sunday, August 4 — "Topics of the Times," weekly discussions sponsored by Campus Ministries at the University, 9 p.m., Johnston (East Halls) Hall Free Talk Center. Open to everyone.

Monday, August 5 — Jazz by "The Dance Band," 7:30 p.m., Fisher Plaza between Kern and Chambers sponsored by Graduate Student Association. Music of the "swing era."

Monday, August 5 — Duplicate Bridge, 6:45 p.m., HUB ballroom.

Monday, August 5 — Penn State Overcomers, 7:30 p.m., Room 220 Bouckee.

Tuesday-Saturday, August 6-10 — Festival of American Theatre, "Death of a Salesman," 8 p.m.; Saturday matinee 2 p.m., Pavilion Theatre.

Tuesday-Saturday, August 6-10 — Festival of American Theatre, "Kiss Me Kate," 8 p.m.; Saturday matinee, 2 p.m., Playhouse Theatre.

Wednesday, August 7 — Shirt Sleeve Concert, Pennsylvania Orchestra, 8 p.m., Music Bldg., recital hall.

Wednesday, August 7 — Chess Club, 8 p.m., ground floor HUB.

Wednesday, August 7 — Meditations, sponsored by Office of Religious Affairs, 12:30 p.m., Eisenhower Chapel. Rev. Leon B. Hall, Black Christian Fellowship, on "Life."

Wednesday, August 7 — PSU Sports Car Club, 7:30 p.m., Room 251 Willard.

Thursday, August 8 — A Behind-the-Scenes Look at "Kiss Me Kate," 4 p.m., Playhouse Theatre.

Friday, August 9 — A Behind-the-Scenes Look at "Death of a Salesman," 4 p.m., Pavilion Theatre.

Friday-Saturday, August 9-10 — Pennsylvania Ballet in Concert, 8 p.m., University Auditorium.

Friday, August 9 — Commonsplace Coffeehouse, 8 p.m., Room 102 Kern. Square Dance, featuring a bluegrass band.

Saturday, August 10 — At Ease with the Pennsylvania Ballet, 4 p.m., University Auditorium.

Sunday, August 11 — "Topics of the Times," weekly discussions sponsored by Campus Ministries at the University, 9 p.m., Johnston (East Halls) Hall Free Talk Center. Open to everyone.

Meeting

Thursday-Saturday, August 1-3 — The Third Biennial Conference on Chemical Education and the Second Centennial of Chemistry celebration.

Lectures

Friday, August 2 — Father Romano Almagno, bibliographer of Hebrew and Aramaic manuscripts at the Vatican

Library, on "The Vatican as a Working Library," 3 p.m., Rare Books Room, Pattee Library. Reception follows the lecture. The talk is sponsored by the University Library Faculty Colloquia Committee.

Tuesday, August 6 — Dr. Raimo Anttila, linguistics, University of Helsinki, on semantics, 8 p.m., Room 369 Hallink.

Wednesday, August 7 — Dr. Raimo Anttila on historical linguistics, 9:30 a.m., Room 17 Sparks. Talks sponsored by the Department of Slavic Languages, the linguistics program and the Liberal Arts Research Office.

Films

Thursday-Friday, August 1-2 — Commonsplace Theatre, 8 and 10 p.m., Room 112 Kern. "Something for Everyone."

Monday, August 5 — Commons Midway Cinema, 12:30 p.m., Room 112 Kern. "Future Shock" and "The Futurists."

Wednesday-Thursday, August 7-8 — Commonsplace Theatre, 8 and 10 p.m., Room 112 Kern. "The Raven."

Exhibits

Museum of Art — Philadelphia Artists, Gallery C, through Sept. 1. Selections from the Permanent Collection, Gallery B. Milton Copley Drawings, Gallery A. Free Museum tours Thursdays, 1:30 p.m.

Zoller Gallery — MFA Show, Robert Diercks and Chris Manchester, through August 7. MFA Show, W. Joseph Helseth and Linda Herod, opening August 8.

Cultural Center, Walnut Bldg. — Murry DePillars, painting, Robert Jackson, photography, Lawrence Jordan, ceramics, Aug. 5-Sept. 14.

Commons Gallery — Rebecca Kamen, metal sculpture. Mary Hamilton, children's prints, opening August 11. Dan Reinhold, jewelry (cases).

Death

Dr. Fred F. Linsinger, who retired in 1952 as director of the Agricultural Experiment Station, died Monday, July 22, at the Lutheran Home, Gettysburg, at the age of 81.

Following his retirement, he had served three years as chief of the Agricultural Institutions and Services Branch, Food and Agriculture Organization of the United Nations, with headquarters in Rome, Italy. Earlier he had served with the FAO in China and in 1961, he was visiting professor to the University of Mandalay, Burma.

He began his career at Penn State in 1917 as agricultural extension representative in Mercer county, then turned to farming and later became director of the Morrison Cove Vocational School at Marlinsburg.

He returned to the University in 1926 as assistant professor of agriculture economics and in 1938 was named head of the Department of Agricultural Economics. He was named vice-dean of the School of Ag-

riculture in 1940 and headed the Agricultural Experiment Station from 1942 until his retirement with emeritus rank in 1952. On leave in 1933-34, he served with the Brookings Institution, Washington, D.C. Dr. Linsinger was a graduate of Penn State with a B.S. in animal husbandry and held the master of science and doctor of philosophy degrees from Cornell University.

Appointments

Ken A. Barber as assistant in animal science in the Division of Animal Science and Industry at the University, effective July 1. He is a graduate of Colorado State University, where he earned the bachelor of science degree in agricultural education. He received the master of science degree from Penn State in June and is a candidate for the doctor of philosophy degree. His research is in the area of reproductive physiology. He has been serving as a research aide since 1971.

Mayrann Mager, as lecturer in the department of microbiology at the University, effective Sept. 1. She holds the bachelor of science degree in biology from Gonzaga University and the master of public health degree from the University of California at Berkeley, where she is a candidate for the doctor of public health degree. She has also studied medical technology at the University of Oregon Medical School and has spent a year at Loyola University, Rome, Italy. Before undertaking graduate work, Miss Mager was a medical technician in Hertel Laboratory and Kaiser Hospital, both in San Francisco, Cal.

Dr. Karl G. Mikalakis, as assistant professor of physics, effective Sept. 1. For the past two years, he has served as lecturer and research associate at Case Western Reserve University. He earned bachelor's and master's degrees at the American University, Beirut, Lebanon; his Ph.D. was conferred by SUNY at Stony Brook.

Phyllis R. Kaplan, as assistant professor of music education. She has been a mem-

ber of the Kent State University School of Music for the past ten years and previously served as a member of the board of elementary music in the South Euclid-Lyndhurst City Schools, South Euclid, Ohio. She is currently a candidate for the Ph.D. degree in music education at the University of Michigan, where she earned bachelor and master of music degrees.

Dr. Niels Busch, head of the meteorology section of the Danish Atomic Energy Commission Research Establishment at Risø, has been named adjunct professor of meteorology. His appointment reflects a continuing collaboration between the Department of Meteorology at Penn State and the Danish group in the study of processes in the atmosphere's boundary layer. Dr. Busch also served as a visiting scientist and visiting professor at the University in 1965-67. He received the master of science degree in physics and the doctor of philosophy degree in micrometeorology from the Technical University of Denmark.

WPXS highlights

"The Silent Years," a collection of twelve full-length, uncensored silent film classics, premieres Friday, Aug. 2, at 10 p.m. on WPXS-TV, Channel 3, with "The Gold Rush." Charlie Chaplin's 1925 comedy classic. Hosted by Owen Welles, the series uses original musical tracks for each film along with the color tints that were used when the films were originally shown in theaters. Another series of silent films, "The Silent Comedy Film Festival," premieres on Sunday, Aug. 4, at 8 p.m. with a look at the short comedies of Buster Keaton.

A double-feature of dramas from the Hollywood Television Theatre are featured on "The PBS Special of the Week" Monday, Aug. 5, at 8 p.m. First is "The Gilded Age," a historical drama about the Gilded Age. Second is "The Police," a biting political satire about a country where the last revolutionary decides he loves the government, thus leaving no work for the police. Then, "Lemonade" presents Martha Scott and Elton Herlie as two lonely matrons who set up lemonade stands along a highway. The lemonade is laced with alcohol, and the ladies' exchanges become increasingly revealing as the afternoon progresses.

"Orpheus in Hell," Jacques Offenbach's delightful comic opera, is featured on "International Performance" Thursday, Aug. 8, at 9:00 p.m. The French television production (with English subtitles) features dancers from the Moulin Rouge in a re-creation of the cancan, which made its first appearance in this work.

Artists working with the electronic media are the focus of "Video Visionaries," a series of thirteen programs premiering Thursday, Aug. 8, at 10:30 p.m. on Channel 3.

HUB specials

Sunday, August 4 — Dinner, roast turkey/dressing, \$1.00; supper, beef, macaroni and tomato, \$1.02.
Monday, August 5 — Lunch, grilled cheese sandwich, \$.65; dinner, sweet and sour pork/ribs, \$1.00.
Tuesday, August 6 — Lunch, beef biscuit roll, \$.95; dinner, Spanish meatloaf, \$.90.
Wednesday, August 7 — Lunch, chili's salad, \$.93; dinner, lasagne, \$1.02.
Thursday, August 8 — Lunch, Coneciny Island, \$4.49; dinner, veal curry with rice, \$1.34.
Friday, August 9 — Lunch, fish sandwich, \$1.00; dinner, Italian shrimp and macaroni, \$1.18.
Saturday, August 10 — Lunch, hot and cold sandwich, \$1.07; dinner, stuffed cabbage, \$1.16.

With the help of some faculty

The Big Band makes local comeback

A number of faculty members and other area residents are doing something about preserving the "big band" spirit and to show their love for the "sound" and their hopes to preserve it, they will give a concert Monday, Aug. 5, at 7:30 p.m. in the new Herman G. Fisher Plaza between Kern and Chambers buildings.

The 19-piece group, known as "The Dance Band," has performed on a number of occasions in the Centre County area in recent months, playing dance music and the kind of jazz played in the big-band "swing" era. A cooperative amateur project, the band uses whatever proceeds it receives to buy music and equipment.

About half of the group are faculty and staff members. Dr. Eugene N. Borza, associate professor of history (and trumpet player) as musical director. The band

manager is an HRB-Singer electronics technician, Charles F. Ryan. For the concert August 5, the band will include saxophones of Joe Alessandro, Dick Greene, Bob Skipper, Jack Meyers, and Don Keat; trombones of Ken Siano, Les Shaw, Jack Miller, and Warren George; trumpets of Rich Victor, Lou Lanz, Charles Ryan, Dick Adams, and Borza; drums of Hubie Haugh; Hapler, bass of Ken Simpson; and the guitar of Carl Holman.

Music by the Dorsey's, Glenn Miller, Benny Goodman, Stan Kenton, Count Basie, Duke Ellington, and many others will be featured.

The Graduate Student Association, which has provided a series of jazz concerts during the summer, is sponsoring "The Dance Band."



Pennsylvania Ballet concerts begin

The Pennsylvania Ballet, now in residence at University Park for a three-week period, gives its opening concert performances this Friday and Saturday at 8 p.m. in University Auditorium. Tickets are still available for both performances. One of the featured dancers in the program will be Lawrence Fioresi, acknowledged as one of the world's greatest male dancers, who will perform with Albo Calzade in "After Eden," a ballet choreographed by John Butler.

Funding Opportunities

Instruction—Research—Continuing Education—Fellowships

For procedural and funding source information, call 865-1372.

August 1, 1974

(140-1) The National Library of Medicine (NLM) has three grants programs with an Oct. 1 deadline date (Feb. 1, 1975 is the next proposal deadline). **Library Resources Grants** will be made to expand and improve basic medical and health related library resources and health information services (Ref. CPOA 13.340). **Biomedical Scientific Publications Grants** are funded to furnish biomedical information of significance to the national health effort (Ref. CPOA 13.340). **Biomedical Communications Research Grants** will expedite the processing and dissemination of health information through research, development, and demonstrations in medical library science, techniques, systems, and equipment (Ref. CPOA 13.351). Application procedures are contained in the PHS-56 application program. Program contact is Dr. Roger Dahlin, Chief, Div. of Biomedical Information Support, Extramural Programs, NLM, 8600 Rockville Pike, Bethesda, Md. 20814. (301-496-4191) (Ref. PPH Oct. deadline).

(140-2) Agencies like industrial research laboratories under contract to the government or to commercial or academic organizations, and university research institutes or centers, may apply to the National Science Foundation (NSF) Faculty Research Participation Program. October 1, 1974 is the deadline for proposals; a list of approved agency programs will be released in January 1975, at which time faculty wishing to participate can apply. Objectives are the broadening of faculty instructional goals and improvement of science instruction. This notice is published to alert non-university agencies, university research centers and faculty. Proposals from agencies must be written according to guidelines 1-75-17. Faculty applicants in January 1975 will refer to guidelines 1-75-22. The deadline for these latter proposals is expected to be in February 1975. Washington contact for this program may be made at (202-292-7760). Ref. C&U Ref. 2477, 7/15/74.

(140-3) A personnel development program aimed at generalizing training programs for people who wish to play public educational roles in museums and historical societies has been built into the Museums and Historical Societies Program at the National Endowment for the Humanities (NEH). Graduate fellowship programs; internship programs; and seminars, workshops, and other in-service training will be funded. Interpretive exhibitions and community education projects of museums and historical societies will also be funded. The next deadline date for proposals is Oct. 1, 1974. Program information is available from Paula Deppa, Division of Grants, NEH, 805 Fifteenth St., N.W., Washington, D.C. 20506 (202-382-5714). (Ref. NEH Prog. +OFF Oct. deadline).

(140-4) The Rockefeller Foundation (Fellowship Program in Environmental Affairs, 111 W. 50th St., New York 10020) invites applications from scholars desiring support for research or public service in environmental affairs. Preference will be given to post-doctoral scholars working in interdisciplinary areas on innovative projects. An application consists of a concise proposal, a letter of endorsement, two letters of recommendation, a vita (including transcripts for recent graduates) and an itemized budget. Persons planning to affiliate

THE UNIVERSITY IS AN EQUAL OPPORTUNITY EMPLOYER.

with Penn State should process their application through the Coordinator of Contracts, 5 Old Main, University Park, Pa. 16802. For the Fellowship Office, 317 Kern Graduate Building, Penn State, University Park, Pa. 16802. The next application deadline is Sept. 1, 1974. Further information write to the address given above. (Ref. P274-14)

(140-5) Forms and guidelines for operational grants under the Youth Challenge program are now available. The program is designed to serve poverty communities who want out of community service-learning centers supported by this program. Contact ACTION, Region 1, 1000 N. 10th St., Lincoln, Neb. 68502. (402) 441-1000. Regional Office (254-597-0732) (Ref. 38P202-6/27/74).

REMINDEES AND DEADLINE DATES
May 23 INTERCOM (1130-1) . . . Aug. 19 for International Super Research Foundation proposals. July 15 INTERCOM (1138-1) . . . Aug. 15 for NSF-U.S. Science Cooperative Scheme (June 20 INTERCOM (1132-2)) . . . Sept. 1, 1974 for 1 for HRA audiovisual educational health education studies. July 25 INTERCOM (1132-1) . . . Oct. 1 for U.S. Dept. Transportation University Research proposals. July 19 INTERCOM (1133-3) . . . Oct. 1 (ignoring Oct. 15 for OE foreign language and studies. July 25 INTERCOM (1138-1)).

PENN STATE intercom

Volume 3, Number 47

August 8, 1974

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

Braithwaite is named coordinator

Developmental Year program initiated

Lancelot Braithwaite, assistant professor of English, has been named coordinator of the University's Developmental Year program.

The new academic program, to be offered for the first time in the Fall Term at University Park, is designed to accommodate and develop the varied talents of educationally disadvantaged students.

It is being administered as a resident education program under the office of Dr. Robert E. Dunham, vice president for undergraduate studies.

Students in the Developmental Year program will be offered individualized curricular opportunities designed to alleviate previous scholastic deficiencies in the basic skills and to cultivate their knowledge of course materials in areas of potential difficulty.

"We're going to attempt to strengthen their basic skills," Dr. Dunham said, "as

well as provide personal counseling and support services necessary to their adjustment to the University."

Approximately 150 Educational Opportunity Program students and 50 disadvantaged student veterans can be accepted into the program in the first year.



Lancelot Braithwaite

Professor Braithwaite, who will continue his teaching duties along with his new responsibilities, joined the Penn State faculty in the Winter Term 1973.

A member of the University's Black Studies Academic Committee, he taught in the 1973 Summer Program for Educational Opportunity Program students and coordinated the English portion of the program.

A graduate of the New York University School of Commerce with a bachelor of science degree in communications arts, he was a television engineer with WOR-TV, New York City, from 1965 to 1969 and served one year as a contributing editor.

Prior to joining the University faculty, Professor Braithwaite was manager of audio visuals for the Educational Development Corp., Menlo Park, Calif. He also directed educational programs on a consultant basis for Economies and Associates, San Francisco, Calif.



Joseph O'Connell, with one of his paintings in a current exhibit in Chambers Bldg., along with craft products of the Renaissance Gallery, State College, continuing until Aug. 20.

Calendar August 8-18, 1974

Special Events

Thursday, August 8 — A Behind-the-Scene Look at "Kiss Me Kate," 4 p.m., Playhouse Theatre.

Thursday-Saturday, August 8-10 — Festival of American Theatre, "Death of a Salesman," 8 p.m.; Saturday matinee 2 p.m., Pavilion Theatre.

Thursday-Saturday, August 8-10 — Festival of American Theatre, "Kiss Me Kate," 8 p.m.; Saturday matinee, 2 p.m., Playhouse Theatre.

Friday, August 9 — A Behind-the-Scene Look at "Death of a Salesman," 4 p.m., Pavilion Theatre.

Friday-Saturday, August 9-10 — Pennsylvania Ballet in Concert, 8 p.m., University Auditorium.

Friday, August 9 — Commonsplace Coffeehouse, 8 p.m., Room 102 Kern. Square Dance, featuring a bluegrass band.

Saturday, August 10 — At ease with the Pennsylvania Ballet, 4 p.m., University Auditorium.

Sunday, August 11 — "Topics of the Times," weekly discussions sponsored by Campus Ministries at the University, 9 p.m., Johnston (East Hall) Hall Free Talk Center. Open to everyone.

Monday, August 12 — Duplicate Bridge, 6:45 p.m., HUB ballroom.

Monday, August 12 — Penn State Overcomers, 7:30 p.m., Room 220 Boucke.

Wednesday, August 14 — Shirt Sleeve Concert, Pennsylvania Orchestra, 8 p.m., Music Bldg. recital hall.

Wednesday, August 14 — Chess Club, 8 p.m., ground floor HUB.

Thursday, Aug. 15 — Free introductory lecture presented by SIMS on transcendental meditation, 8 p.m., Room 101 Chambers.

Friday-Saturday, August 16-17 — Pennsylvania Ballet in Concert, 8 p.m., University Auditorium.

Friday, August 16 — Commonsplace Coffeehouse, 8 p.m., Room 102 Kern. Featuring Earl Reinharter.

Saturday, August 17 — At ease with the Pennsylvania Ballet, 4 p.m., University Auditorium.

Sunday, August 18 — Peggy Horner, soprano vocal recital, 3:30 p.m., Music Bldg. recital hall.

Sunday, August 18 — "Topics of the Times," weekly discussion sponsored by Campus Ministries at the University, 9 p.m., Johnston (East Hall) Hall Free Talk Center. Open to everyone.

Films

Thursday, August 8 — Commonsplace Theatre, 8 p.m., Room 112 Kern. "The Raven."

Monday, August 12 — Commons Midway Cinema, 12:30 p.m., Room 112 Kern. "Nightmare in Red."

Wednesday, August 14 — Commonsplace Theatre, 8 and 10 p.m., Room 112 Kern. "Rebel Without a Cause."

(Continued on page two)

News in Brief

ACCREDITATION

The Hershey Medical Center hospital has been accredited for a two-year period by the Joint Commission on Accreditation of Hospitals. Joint Commission accreditation surveys are voluntary, but approval represents a distinction higher than governmental licensure alone.

ARNELLE NOMINATED

Board of Trustees member H. Jesse Arnette, who starred on Penn State basket-

ball teams for four years in the 'fifties, has been nominated for induction in the Nal-smith Memorial Basketball Hall of Fame. The induction is based on election by sports writers and others; the results of the next voting will be announced in February, 1975. Arnette, a criminal defense attorney in San Francisco, holds 26 Penn State individual basketball records. He was also president of student government in his senior year.

COMPARATIVE LITERATURE

The Office of the Comparative Literature Program has moved from Room 346 North

Burrowes to Room 208 Burrowes; the telephone number remains 863-0589. Dr. Robert F. Lima, Jr., is in charge of the program.

KERN EXHIBIT

Hand-wrought sterling and gold jewelry by Dan Reinhold, silversmith of Mill Hall, is on display in the Kern Graduate Bldg. and will remain during the entire month of August. Reinhold was among those who developed the Millbrook Art Gallery, now one of the recognized arts centers in the U.S., as a regional center at which artists and craftsmen display their work.

SENATE REPORT is a communication to the entire University faculty from the University Faculty Senate and is provided by the Senate office to which comments or questions should be addressed: Room 205 Willard.

involves others in the University system who hold faculty research rank but have no departmental affiliation with regard to rank and tenure.

While studying these issues, Engel said the subcommittee has not yet developed specific positions that it will take on the matters.

The subcommittee, which also is reviewing all regulations in the University Policy Manual pertaining to promotion and tenure, expects to have a draft report ready for wide circulation and review early in the fall.

Subcommittee members, besides Engel, are George E. Andrews, Ronald L. Filippelli, Charles W. Hill, Stanley O. Ikenberry, Eugene Kelley, Robert Mazur, G. Edward Phillips, Marvin E. Rozen, Henry J. Tamowski, and Richard Tomsic. Marjorie East and Ernest L. Bergman are ex-officio members.

(Note: Communications to the subcommittee should be addressed to Dr. Phillips, professor of accounting, who is chairman of the Senate Faculty Affairs Committee.)

At the July 23 Senate Council meeting, the following were selected to serve on the Faculty Advisory Committee for Research for 1974-75:

Area 2 — Humanities, Philip Young; Area 3 — Social Sciences, Carolyn W. Sherif; Area 4 — Science, Steve Armentrout; Area 5 — Professional Schools, Stuart Patton; Area 6 — Commonwealth Campuses, Robert W. Douglas; Area 7 — Hershey Medical Center, Irwin L. Baird; Area 8 — Capitol Campus, Kenneth W. Masters.

The Area 9 representative will be selected by the Academic Affairs Committee of the Senate at its next meeting.

Dr. Warren F. Wiltzig, head of the Department of Nuclear Engineering, has been named to replace Dr. Edwin Masteller on the Administrative Committee of the Office of Environmental Quality Programs.

SENATE REPORT

A subcommittee of the Faculty Affairs Committee of the University Faculty Senate currently is making a detailed study of the University's tenure and promotion policies.

The subcommittee, which has been holding three-hour meetings twice a week during the Summer Term, is examining in great detail all University regulations concerning tenure, promotion and rank.

According to subcommittee chairman Dr. Alfred J. Engel, professor of chemical engineering, some of the major issues addressed thus far by the group included:

1. The meaning of tenure at The Pennsylvania State University. Is it tied to a specific program and/or location or is it to be considered University-wide? In its study, the subcommittee has found that the legal and actual implementation of the meaning of tenure is not clear, in that there is little precedent, and the issue currently is under examination in the courts in other states.

To the best of our knowledge, Engel said, the precise meaning of tenure has never been defined here.

2. The problem of getting too high a ratio of tenured to untenured faculty if the University reaches a period of no growth. In examination of this problem, the subcommittee has concentrated on gathering data and attempting to make some projection on what can be done about the situation which has been characterized as "tenuring-in."

3. The possibility of coupling tenure to promotion to the rank of associate professor.

4. An examination of the entire review procedure for promotion and tenure.

On this issue, the subcommittee has developed a tentative scheme for peer review at all levels of review.

5. Examination of the status of research faculty not officially affiliated with any department.

This study has focused primarily on Applied Research Laboratory and Materials Research Lab personnel, but also in-

Death

Joe Samuel Taylor, professor and head of dairy science extension, died July 19; he was 59. He joined the faculty in 1945 as associate professor after serving as extension dairy specialist at Cornell University and county agent in Cortland County, N.Y., from 1942 to 1945. He was a field representative for the American Jersey Cattle Club, New York, from 1938 to 1942. A 1937 graduate of Texas A. & M., he received the M.S. degree in dairy husbandry at Cornell two years later. He was born in Berwyn, Oklahoma. He was the author of a correspondence course in civil defense used widely throughout the U.S.

Honors

Dr. Joseph D. Harrington, professor of agronomy, has received a certificate for exceptional contributions to education of the Northeastern Branch of the American Society of Agronomy, the outstanding award for teaching given by the branch. Previously, he had been recognized on the campus for excellence in teaching, with the Christian A. and Mary F. Lindback Award and by the students who have on several occasions nominated him as one of the outstanding teachers in the College of Agriculture.

Dr. John D. Sink, professor of meat science, has been elected president of the American Meat Science Association, the first member of the Penn State faculty to be so honored. The organization promotes research and provides a forum for debate on research topics related to all aspects of meat.

Appointments

Carol A. Riddick, as instructor in extension health education in the Department of Agricultural Economics and Rural Sociology, with primary responsibility for advising and conducting programs and appropriate educational materials to assist members of local health councils and boards to understand issues, problems, techniques, and alternatives in planning for and organizing local health services. Currently working on her doctorate in therapeutic recreation at Penn State, she received a B.A. in sociology and an M.S. in urban regional planning from Florida State University at Tallahassee. She was a research assistant in the Institute for Research on Land and Water Resources at Penn State.

Gundula U. LaBadie, as research assistant in microbiology. She is a graduate of Drexel University, and is completing requirements for an M.S. in microbiology at Penn State. She was previously a research technician at the Institute for Cancer Research, Philadelphia.

John M. Stevens, as assistant professor of economics, effective with the start of the Fall Term. He is completing Ph.D. require-

ments in economics at Penn State; He received both B.A. and M.A. degrees here also.

Dr. Roger P. Ware, as associate professor of mathematics. A graduate of the University of California at Berkeley, he received advanced degrees at Santa Barbara. He has served on faculties of Northwestern University and the University of Kansas, where he has been serving for the past two years.

Dr. Edward L. Robertson, as assistant professor of computer science, effective Sept. 1. He comes from a position as assistant professor of applied analysis and computer sciences at the University of Waterloo, in Ontario, Canada. He has also served on faculties of the University of Wisconsin and the University of Ghana. He was graduated from California Institute of Technology and has advanced degrees from Wisconsin.

Dr. David L. Pearson, as assistant professor of biology, effective Dec. 1. He had done research in tropical ecology in the South and Central Pacific, South America, Africa, Indonesia, and in Guatemala. For the past years he has been acting as assistant professor of the University of Washington, which has granted him the Ph.D.; his other degrees were given by the Pacific Lutheran University and Louisiana State University, all in zoology.

James C. McDavid, as assistant professor in the Institute of Public Administration, effective August 1. Currently completing Ph.D. degree requirements in political science at Indiana University, where he has served as research assistant, he received his other degrees from the University of Alberta, Canada, both in political science.

Dr. Robert L. Cohn, as assistant professor of religious studies, effective Sept. 1. He received a B.A. degree in the history of religion from Northwestern University in 1969, an A.M. in religious studies from Stanford University in 1971; and a Ph.D. in religious studies and humanities from Stanford this year.

Gerard J. Gross, as instructor of English to teach technical writing, beginning with the Fall Term. He is a graduate of Spring Hill College, Mobile, Ala., with a B.S. in physics, and received an M.S. in physics from Case Institute of Technology. He was a physicist with the Aerospace Corp. from 1965 to 1971, when he returned to Case to obtain an M.A. degree in English. He is currently writing a dissertation on the endings of Shakespeare's comedies.

Dr. Peter J. Downey, as assistant professor of computer science, effective Sept. 1. He received a Ph.D. degree at Harvard University, where he has been a teaching assistant. He earned a bachelor's degree and a master's degree in computer science at the University of Virginia. He has served as a mathematician in the Air Force Electronics Systems Di-

vision and with the Army Engineer Mathematics Computation Laboratory. He has also taught at the University of Virginia and at Northeastern University.

Dr. David A. Sibley, as assistant professor of mathematics. He is a graduate of the University of Massachusetts and received the Ph.D. degree from California Institute of Technology, where he was an N.S.F. trainee.

John E. Skeen, as instructor of wildlife technology at the DuBois Campus. Now completing his doctorate at Virginia Polytechnic Institute and State University, he was graduated from West Virginia University with a bachelor's degree in forestry and received an M.S. in wildlife management from V.P.I., where he was an NDEA fellow and a research assistant. He has served as a forestry aide with the U.S. Forest Service in Washington and Idaho and as a wildlife aide at the Northeastern Forest Experiment Station, in Morgantown, W. Va.

Dr. Kyra M. Riegle, as assistant professor of nursing assigned to the Hershey Medical Center. She is a graduate of Deaconess Hospital School of Nursing, Buffalo; received a B.S. in nursing at SUNY at Buffalo; and was granted a Ph.D. in physiology by the University of Kansas. She was a staff nurse and head nurse at Deaconess Hospital and served as instructor prior to matriculating at SUNY, Buffalo.

Dr. John H. E. Clark, as associate professor of meteorology. He is a former associate program director of meteorology with the National Science Foundation. His bachelor's and master's degrees were conferred by McGill University and the Ph.D. by Florida State. His research has centered on large scale dynamics of the atmosphere. In 1969-70, he was post-doctoral fellow at the National Center for Atmospheric Research and during 1970-73 he was on the University of Texas civil engineering faculty.

Dr. Beverly J. Lindsay, as assistant professor of education, Division of Education Policy Studies. She is a specialist in social and cultural foundations, and she has taught at Federal City College, Washington, D.C. and at the American Forum, Cleveland. She was a graduate associate at the University of Massachusetts, 1972-74. A graduate of St. Mary's University, San Antonio, Tex., she earned the M.A. and D.Ed. degrees at Massachusetts.

Edward C. Horvath, as assistant professor of computer science. He has been, for the past year, director of education at APL Services, Inc., Trenton, N.J. An M.I.T. graduate, he received an M.A. degree from Princeton University, where he is currently completing his Ph.D. dissertation. He has been with I.B.M. and R.C.A. and has served as a visiting lecturer at Stevens Institute of Technology.

In Writing

Dr. G. Frank O. Tyres, associate professor of surgery at the Hershey Medical Center, is author of "Self-Assessment of Current Knowledge in Cardiothoracic Surgery," published by Medical Examination Publishing Co., Inc., Flushing, N.Y. The book tests a physician's knowledge of history, pathology and applied knowledge of congenital and acquired cardiovascular disease, and congenital and acquired noncardiovascular thoracic disease.

CALENDAR —

(Continued from page one)

Exhibits

Museum of Art — Philadelphia Art Museum. Gallery C. Selections from the Permanent Collection, Gallery B. Free. **Osborne Drawings, Gallery A.** Free. **Museum Hours** Thursdays, 1:30 p.m. to 5:00 p.m. **Zoller Gallery — MFA Show.** W. Joseph Helseth and Linda Herod. **Walnut Building — Murry DePillars, painting.** Robert Jackson, photography. Lawrence Jordan, ceramics. **Contemporary Galleries.** Rebecca Kamen, sculpture. Mary Hamilton, glass. Reinhold's prints, opening August 12. Reinhold, jewelry (cases). **Chambers Gallery — Iconography** paintings by Joseph Osmond; ceramics, jewelry, stained glass and weavings of the Renaissance Gallery, State College, until Aug. 20.

WPXS highlights

Rudolph Valentino's last film, "The Son of the Sheik," is featured on "The Silent Years" Friday, August 9, at 10:00 p.m. Made in 1926, this film was the last Valentino made before his untimely death. It is one of his best performances. The broadcast includes the color tints used when the film first played in theaters. **Willie Nelson and America's** back-country authors, are honored by three of her closest friends — Yahudi Menehlin and her sisters, Yallah and Hepzibah — on "A Menehlin Tribute to Willie Nelson," Monday, August 12, at 8:00 a.m. Saturday, August 17, at 9:30 p.m. The weekly Saturday program combines private reminiscences with a memorial concert for Willie Carter. Healy music that played a part in her career.

HUB specials

Sunday, Aug. 11 — Dinner, beef stroganoff with noodles, \$1.55; soup, beef salad, \$1.12. **Monday, August 12 — Lunch, Jo Mazzoli, \$1.15; dinner, beef steak, \$1.25.** **Tuesday, August 13 — Lunch, grilled cheese sandwich, \$1.11; dinner, franks and hot potato salad, \$1.23.** **Wednesday, August 14 — Lunch, ham turnover, \$1.05; dinner, chicken Brunswick steak, \$1.35.** **Thursday, August 15 — Lunch, American omelette, \$1.17; dinner, lasagne, \$1.22.** **Friday, August 16 — Lunch, egg cutlet with almond sauce, \$1.24; dinner, shrimp cocktail, \$1.35.** **Saturday, August 17 — Lunch, beef barbeque on bun, \$1.94; dinner, Spanish meal, \$2.95.**

Washington, D.C. (202-382-6178) (Ref. NEA Guide 1-WFP deadline).

(141-S) National Research Council of the National Academy of Sciences, 2101 Constitution Ave. N.W., Washington, D.C. 20540 (invites applications for postdoctoral research associateships at the National Ecological Research Lab., Corvallis, Oregon. Awards for persons with less than five years experience are for \$14,000/year. The application deadline is July 15, 1974. For details, conditions and further information, write to the address just above (Ref. F074-16).

(141-S) National Endowment for the Humanities, 400 Fellowship Drive, 15th St. N.E., Washington, D.C. 20508 has announced the competition for 1965 post-doctoral Summer Stipends to college teachers in humanities, arts and humanistic studies of the social sciences. Preference is given to applicants engaged in studies related to the Revolutionary era. \$2000 of support is provided for each stipend recipient. Other stipend applicants must be nominated by the University. Applications must be received at 317 Kern Graduate Office by Sept. 30, 1974. Penn State can nominate only three individuals, one in each stage of his career; one a more advanced scholar. Applications will be judged on overall promise, scholarship, significance and practicability. Proposed study, the conception, definition, preparation and presentation of the proposal, and participation in the bicentennial of the Revolution. For information and application instructions, write to: 317 Kern Graduate Office, University of Pennsylvania, Philadelphia, Pa. 19107.

REMINERS AND DEADLINE DATES Sept. 1 and Oct. 1 for HRA audited educational health sciences (July 25 INTERCOM #139-2) Oct. 1 for U.S. Dept. Transportation (H38-2) Oct. 1 for U.S. Dept. of Health, Education and Welfare (H38-2) Oct. 1 (groups) and Oct. 15 for OE foreign language and area studies (July 25 INTERCOM #139-2) Oct. 1 for National Library of Medicine (H38-2) Oct. 1 for National Library of Medicine (H38-2) Oct. 1 for NEH Participatory Program (H38-2) Oct. 1 for NEH Participatory Program (H38-2) Oct. 1 for NEH Participatory Program (H38-2)

Staff vacancies

University faculty or staff members who are interested in listed staff or staff non-exempt jobs may be applied by calling Employment Office 865-1387 (Network Line 476-1387). Do not contact the area having the vacancy. Applications will be accepted until: 5:00 p.m., Aug. 22, 1974.

RESEARCH AIDE (ANIMAL INDUSTRIES), COLLEGE OF AGRICULTURE — University Park

Conduct invitro rumen fermentations; prepare microscopic slides of biological materials; identify animal tissues; prepare histological sections; collect fecal, acetate, and biological fluids for analysis by atomic absorption spectrophotometer; analyze samples on amino acid analyzer; use electrophoresis for protein analysis; collect and analyze blood, urine, fecal, and physiological fluid samples; prepare samples for analyses. Assist in collection of data on experimental animals, as required. Requires college level courses in animal, organic, and inorganic chemistry, and biological sciences and mathematics. Two to four years of laboratory experience with demonstrated ability to conduct independent research required.

ASSISTANT HERDSMAN, COLLEGE OF AGRICULTURE — University Park

Oversee the leading, watering and general care and maintenance of animals and livestock area by supervising the mixing of feed, leading, of pen area and cleaning. Determine medication in feeding rates and management practices in accordance with individual animal performance. Responsible for maintenance of health records; attend animals at parturition and newborn animals, treat or refer sick animals to veterinarian, and administer proper preventive health programs. Prepare and exhibit animals for shows and sales. An associate degree or equivalent in animal science plus two to four years of related experience.

THE UNIVERSITY IS AN EQUAL OPPORTUNITY EMPLOYER.

Funding Opportunities

Instruction—Research—Continuing Education—Fellowships
For procedural and funding source information, call 865-1372.

August 8, 1974

(141-1) The Food and Drug Administration will consider research proposals written by researchers specializing in one or more of the following areas: (1) carcinogenicity; (2) biological contaminants; chemical contamination, processing methods, epidemiology of food poisoning and advanced techniques; shellfish sanitation — evaluation of chemical and microbiological processes contributing to shellfish contamination; poison control — scientific information to prevent, diagnose and control poisoning; (3) food safety and inspection of product safety including the microbial control of raw materials and preservation systems; veterinary drugs — animal toxicology, physiology, endocrinology, pharmacology, immunology, safety of use of chemicals; medical devices — study of safety and reliability, bio compatibility research, clinical evaluation of devices; toxicological studies — including carcinogenicity, mutagenicity, teratogenicity, extrapolation to man; pathology; radiological health — electromagnetic radiations, magnetic fields, sound (incl. infra and ultra), health risks; biological standards; instrumentation; and biologics — vaccines, blood and products, toxins, toxins, antitoxins, antivenoms, antigens, allergens, in vitro diagnostics, and immunological assays for applications (Ref. 1, 1974, Feb. 1 and June 1, 1975 next). Outdated information and guidelines are available from: Dr. Robert Littford, Director, Office for a Safe Food and Drug Administration, Food and Drug Administration, Room 7-67, 5600 Fishers Lane, Parklawn Bldg., Rockville, Md. 20852 (301-434-4603) (Ref. Food & Drug Rational Criteria). FWP deadline.

(141-2) The National Endowment for the Arts (NEA) has issued grants guidelines for: **Dance** (Ref. NEA Guide 1-WFP deadline) **Teaching Program** with an Aug. 1974 deadline

date — contact **Don Anderson**, Director, Dance Program, NEA, Washington, D.C. 20506 (202-382-5833); **Expansion Arts Program** with an Oct. 1, 1974 deadline (1974-75); **Visual Arts Program** with an Oct. 1, 1974 and (1975) deadline date for Neighborhood Arts Services, Instruction and Training and Special Summer Program — contact **Vanille White** for Director, Expansion Arts Program, NEA, Washington, D.C. 20506 (202-382-6071) and **Jazz/Folk/Ethnic Music Program** with a Sept. 15, 1974 deadline date — contact **Wendy White** for Director, Expansion Arts Program, NEA, Washington, D.C. 20506 (202-382-5755) (Ref. 39FR26391, 7/18/74).

(141-3) National Endowment for the Arts (NEA) announces current guidelines for Assistance to Small Presses under the NEA Literature Program: Applications for matching funds ranging from \$500 to \$10,000 may be made to support projects for publication and distribution of checkbooks. Matching fellowships will also be made to individual small press publishers emphasizing poetry or short fiction. Applications will be accepted now and must be postmarked no later than Nov. 1, 1974. Contact **Leonard Randall**, Director, Literature Program, NEA, Washington, D.C. 20506 (202-382-6186) for information and application forms. (Ref. 39FR27191, 7/25/74).

(141-4) Innovative approaches to the presentation of the arts through NEA's Programming in the Arts. As part of the NEA Public Media Program, matching grants support production, research, and development to improve arts programming by professional individuals and organizations. Grants rarely exceed \$10,000 but can range up to \$50,000. The annual application deadline is Oct. 1, 1974. Contact **Chloe Aaron**, Director, Public Media Program, National Endowment for the Arts,

PENN STATE intercom

Volume 3, Number 48

August 15, 1974

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

Additional data to be given in September

Preliminary information given on TIAA-CREF

On May 31, 1974, the University's Board of Trustees approved a recommendation that the University offer membership in an alternate retirement program to all faculty and staff members participating in the State Employees' Retirement System (SERS). The alternate retirement program will be made available beginning September 1, 1974, and will be provided by the Teachers Insurance and Annuity Association (TIAA) and its companion company, the College Retirement Equity Fund (CREF).

An official announcement will be mailed to each eligible faculty and staff member shortly after the beginning of the Fall Term. That announcement will also contain information describing the basic provisions of both the State plan and TIAA. Hopefully, that material will contain sufficient pertinent information to enable faculty and staff members to decide whether to remain in SERS or switch to TIAA.

A nine-month option period will be available to present SERS members, whereas faculty and staff employed with an effective date on or after September 1, 1974, will have 30 days from date of appointment to make their choice.

Although TIAA is the largest company in the United States in terms of retirement and insurance programs at educational institutions, many University employees may not have had any association with the company and thus would be unfamiliar with the provisions of TIAA-CREF's retirement program. Information contained in this article is provided to give faculty and staff members some preliminary information about the new option. You are urged to retain this issue of INTERCOM to serve as a supplement to the September announcement.

YOUR ANNUITY COMPANIES — TIAA AND CREF

TIAA is a nonprofit, legal reserve life insurance and annuity company incorporated in the State of New York. Founded in 1918 by the Carnegie Foundation for the Advancement of Teaching, TIAA provides annuities and life insurance at low cost for the college world.

Today there are more than 400,000 participants, most of them employed by the 2,700 educational institutions that have TIAA retirement or insurance plans.

CREF is a separate nonprofit corporation, companion to TIAA, established in 1952 by a Special Act of the New York State Legislature to provide retirement benefits based on common stock investments.

TIAA and CREF employ no agents and pay no commissions. A modest charge is made to participants to cover operating expenses. Eligibility is limited to employees of colleges, universities, private schools, and certain other nonprofit research or educational organizations.

HOW DO TIAA AND CREF WORK TOGETHER?

Premiums to your TIAA annuity purchase a definite amount of future retirement income for you. To make sure you will receive this guaranteed income, TIAA invests your premiums almost exclusively in fixed-dollar obligations — a broadly diversified group of bonds and mortgages.

Your TIAA annuity money accumulates at compound interest during your working

years. When you retire, TIAA sends you a check each month as long as you live. The amount remains the same from year to year except for dividends as declared.

Your premiums to CREF purchase a variable, or unit, annuity. In combination, TIAA and CREF annuities are designed to provide annuitants an opportunity for reasonably stable purchasing power during retirement.

During your working years, premiums to CREF buy accumulation units (like shares of ownership) in a broadly diversified common stock fund. The earnings on your portion of the common stock fund are reinvested for you, buying additional units for your account.

During your retirement, CREF pays you, each month for life, the current value of a certain number of annuity units — your retirement shares in the Fund. The number of annuity units to be "paid out" to you each month is determined actuarially when you retire and remains the same as long as you live. The dollar amount you receive changes, however, from year to year,

reflecting primarily changes in the market prices and dividends of the common stocks owned by the Fund. Thus CREF links retirement income to the investment experience of common stocks so that you can receive an income based on common stock value and dividend earnings.

ALLOCATION OF PREMIUMS

Participants may allocate their monthly payments (including the institution's contributions) between TIAA and CREF in any of the following proportions:

100% allocation to either company,
75%-25% to either company, or a
50%-50% split.

WHAT IF I LEAVE MY PRESENT EMPLOYER?

You take your TIAA and CREF annuities with you, including all benefits purchased by your own and your employer's contributions.

Ownership of TIAA and CREF retirement and survivor benefits is fully vested in you. This full vesting allows University

(Continued on page two)

Senate also discusses insurance, parking

Plan study on tax-deferred annuity program

The University Faculty Senate has acted to establish a joint faculty-administration committee to study tax deferred annuity programs for University faculty and staff.

The action was recommended at Tuesday's Senate meeting by the Subcommittee on Fringe Benefits, which also presented its report on comparison of retirement systems.

Noting that faculty will be able to leave the State Employees Retirement System (SERS) and join the Teachers Insurance and Annuity Association (TIAA-CREF) after Sept. 1, Dr. Donald C. Rung, subcommittee chairman, said most faculty members probably would get higher benefits under SERS.

The motion passed by the Senate specifically charged the joint committee with developing "policy," but Dr. John W. Oswald, University president, while supporting the work of a joint committee on the

matter, pointed out that actual development of policy is in the hands of the Board of Trustees.

While moving to establish the joint committee, the Senate adopted an amendment calling on the administration to place the group life insurance and accidental death and dismemberment or loss of sight insurance plans on a periodic bid basis at the earliest opportunity.

A second proposed amendment was accepted as a separate motion and will be discussed at the next Senate meeting Oct. 1. It recommends that the Fringe Benefits Subcommittee and the External Affairs Committee attempt to have legislation introduced in the General Assembly to lower the retirement age to 55 and provide an automatic yearly cost-of-living adjustment in retirement benefits.

Concerning common parking problems,

Calendar August 15-25

Special Events

Thursday, August 15 — Free Introductory Lecture presented by SIMS on transcendental meditation, 8 p.m., Room 101 Chambers.

Friday-Saturday, August 16-17 — Pennsylvania Ballet in Concert, 8 p.m., University Auditorium.

Friday, August 16 — Commonsplace Coffeehouse, 8 p.m., Room 102 Kern. Featuring Earl Reinhalter.

Friday, August 16 — Duplicate Bridge, 6:45 p.m., HUB ballroom.

Saturday, August 17 — At ease with the Pennsylvania Ballet, 4 p.m., University Auditorium.

Sunday, August 18 — Peggy Horner, vocal recital, 3:30 p.m., Music Bldg. recital hall.

Sunday, August 18 — Interlandia Folk Dance, 7:30 p.m., HUB ballroom and terrace.

Sunday, August 18 — "Topics of the Times," weekly discussions sponsored by Campus Ministries at the University, 9 p.m., Johnston (East Halls) Hall Free Talk Center. Open to everyone.

Monday, August 19 — Duplicate Bridge, 6:45 p.m., HUB ballroom.

(Continued on page two)

Physics graduate education meeting next week

Nearly 100 representatives of government, industry, and academia will meet next week at University Park to consider whether traditional graduate education is still the best way to train physicists for today's changing job market. The meeting begins Monday.

Serious changes in the employment patterns of physics graduates with advanced degrees and substantial changes in the funding of physics research have produced doubts in the minds of some physicists, employers, and educators.

Titled "Tradition and Change in Physics Graduate Education," the conference is designed to re-examine the graduate education process, to determine whether changes can and should be made, and to generate concrete suggestions for graduate educational institutions, according to conference co-chairman Dr. Roland G. Good, head of the physics department.

Speakers at the conference will include John L. McLucas, Secretary of the U.S. Air Force; Terry Lee Loucks, Director of the North American Rockwell International Science Center; Sidney Millman, a member of the governing board of the American Physical Society (APS); Mildred Wigdoff, chairperson of the APS Committee on Women in Physics; and Paul P. Craig, Deputy Director, Office of Energy R&D Policy, National Science Foundation.

More than 25 universities and colleges will participate including Penn State, Temple, Pitt, Brown, M.I.T., Purdue, Stanford, the University of California, and the Memorial University of Newfoundland.

A session on physics and politics scheduled for Tues., Aug. 20, will feature discussions of attitudes toward science in congress by Benjamin S. Cooper, an APS Congressional Science Fellow assigned to

the U.S. Senate's Committee on Interior and Insular Affairs. Scientific norms and political values will be discussed by Joseph Haberer of Purdue University.

Other scheduled session topics include economic prospects for the graduate and the profession, employer's expectations of today's graduate, and public interest physics.

Martin L. Perl of the Stanford Linear Accelerator Center is serving as co-chairman with Dr. Good.

The conference is sponsored by the Forum on Physics and Society of the American Physical Society, the American Association of Physics Teachers, and the Committee on Education of the American Physical Society.

NOTE: The conference program and abstracts of Conference papers were published in the July issue of the Bulletin of the American Physical Society.

PENN STATE intercom

Volume 3, Number 49

August 22, 1974

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

Colloquy series to have Shapp

Colloquy, the student-originated program of lectures and general interest activities, has scheduled five speakers for the Fall Term, including Gov. Milton J. Shapp, who will speak Monday, Sept. 9, at 8 p.m. in the University Auditorium.

The governor will discuss "Issues Affecting Colleges and Universities in Pennsylvania."

Other speakers in the series will discuss topics ranging from vampires to sports. They are:

George Plimpton, author and editor, Friday, Oct. 11, at 9:30 p.m., University Auditorium, on "An Amateur Among Pros."

Dr. Raymond McNally, expert on vampires and Dracula, Sunday, Oct. 20, at 8 p.m. in Schwab Auditorium, on "In Search of Dracula."

Alan Oken, astrologist, Monday, Oct. 21, at 8 p.m. in the HUB ballroom, on "The Occult Sciences: Numerology, Astrology and Tarot."

Dr. Raymond Buckland, Tuesday, Oct. 22, at 8 p.m. in Schwab Auditorium, on "Witchcraft." He is a witchcraft expert and high priest.

These lectures are all free and open to the public.

Capitol Campus has special program for servicemen

Capitol Campus is one of 250 colleges and universities in the nation to be designated as a SOC — Servicemen's Opportunity College; it is also the only one of the Penn State system to be so designated.

Servicemen's Opportunity College is a network of institutions across the country and abroad which cater to the service person's needs. Since the service person travels, not only from state to state but from country to country, it has been difficult in the past to complete a bachelor's and/or a Master's degree. With the institution of SOC, an educational environment which understands and assists the mobile service person has been created. Now it is possible for a service person to obtain a

bachelor's and/or Master's degree without interruption in military obligations.

The participation of the Capitol Campus in the SOC program means that service people in and around the Harrisburg area, of whom there are many, can combine a college education with military service. Capitol Campus provides the opportunity for continuing education by having a generous transfer policy, by providing a special servicemen's counselor, by offering credit for educational experience obtained in the armed services, and by having a Veterans Center.

The military person is an important part of the Campus. Twenty-seven percent of the total student body is comprised of veterans.

Sams, Rubinstein articles in JGE

Dr. Henry W. Sams and S. Leonard Rubinstein, professors of English, have contributed long articles to the Summer issue of The Journal of General Education, published by the University Press, and now available from the Press at \$3 per copy.

Also in this issue, Paul T. Hopper, instructor of German and humanities at Shenango Valley Campus contributes a poem, "Tropic," as does Judith Moffett, former Penn State student, and Christopher Salverson, who was visiting professor of English during the past Winter and Spring Terms.

The article by Dr. Sams, who is also associate editor of the Journal, is titled "Maimonwiski and the Novel; or, Cultural Anthropology versus Mere Fiction," a discussion of the readings and writings of Bronislaw Maimonwiski, the social anthropologist whose writings have been translated into many languages. His early studies were made of the primitive peoples in the Trobriand Islands off New Guinea.

Rubinstein's article, "Dostoyevsky: The Identity of Crime and Punishment," begins with the proposition that "Dostoyevsky's 'Crime and Punishment' may demonstrate that punishment is the condition of crime." Discussing the crime of Raskolnikov, the article concludes: "Perhaps the punishment for crime is the nature of crime; absence of love; or worse, denial of love."

The lead article, by D. Richard Little, editor of "Liberalization in the USSR," is titled "Beyond Careerism: The Revival of General Education."

Members of the faculty may obtain the Journal at a very much reduced subscription price, by writing or calling the University Press.

French literary review available

The literary review, "Les Bonnes Feuilles," published by graduate students in the Department of French in the spring and fall is now available, and at the same time the editors are seeking manuscripts for future issues.

Included in the current (Spring) issue are articles on Sade, Gide, Rousseau, Flaubert, Joachim Du Bellay, with a comparative of two poems by Panard.

Subscriptions for four issues (two years) may be purchased at \$4, while single copies may be obtained for \$1.25 (making checks payable to Les Bonnes Feuilles) at Room S401 Burrows.

Each issue of Les Bonnes Feuilles contains articles devoted to French language, literature, culture and comparative studies, and manuscripts are welcomed from all students of language and literature.

Editor-in-chief of the publication is Paul R. Bernard.

Special exhibits

Three special exhibits, originally part of the second centennial of chemistry celebration at the University, are now open to the public.

The Rare Books Room of Pattee Library (third floor, west wing) is featuring a display of items relating to the pioneer chemist, Joseph Priestley, from the Penn State Priestley collection, one of the world's best. Included are handwritten versions of Priestley's Memoirs, his will, account books, and numerous letters. The Rare Books Room is open from 8 a.m. to 5 p.m., Monday through Friday. The exhibit will continue through this week.

(Continued on page two)

News in Brief

HUB CLOSING

Food service at the Hetzel Union Bldg. will be suspended between terms. The Snack Bar will close Friday, August 23, at 2 p.m. and reopen Tuesday, Sept. 3, at 8 a.m. The Terrace Room cafeteria will close Saturday, August 24, after serving both breakfast and lunch; it will reopen for lunch Tuesday, Sept. 3.

BERKS PROGRAM

A program aimed primarily at members of labor organizations unable to attend classes on a part-time basis and who are

involved in personnel functions is being offered by the Continuing Education at the Berks Campus. It is a program leading to a two-year associate degree in labor studies and it seeks to prepare the students for positions in labor or labor-related professions. Classes are scheduled for late afternoon and evening, and in addition to the specific labor courses, the program includes introductory liberal arts courses.

MUSICAL INSTRUMENTS

An unusual exhibit of international musical instruments is currently on display in the Kern Graduate Bldg, Commons Gallery, arranged by Mrs. Ardeth L. Frisbey, assistant director for international student affairs. The instruments, from China and Indonesia, will be exhibited during August.

RETURNING BOOKS

Cordelia W. Swinton, lending services librarian of University Libraries, urges members of the faculty to return borrowed books in person, rather than through Campus Mail.

TRUSTEE APPOINTMENTS

The president of the University's Board of Trustees, Michael Baker, Jr., made several committee appointments, including the following, recently:

George H. Deike, Jr., to fill the unexpired term of Frederick J. Close on the Executive Committee.

Walter J. Conti and Dion C. Stewart to the Committee on Educational Policy.

Mr. Conti to the Committee on Finance. Mr. Stewart to the Committee on Physical Plant.

HERSHEY AFFILIATION

The College of Medicine has affiliated with the Altoona Hospital for the purpose of joint planning and sponsorship of continuing education programs in Altoona and Hershey for practicing physicians and other health professionals. Four other hospitals are currently affiliated with the College — Harrisburg, Geisinger Medical Center, Harrisburg Polyclinic Hospital and the Lancaster Cleft Palate Clinic.

NEWCOMER'S CLUB

The Faculty Women's Newcomers' Club will begin its 1974-75 season of activities with neighborhood coffee parties, to be held in the homes of members, early in September. On September 24, the annual reception of the Faculty Women's Club, which is sponsored jointly with the Newcomers' Club, will be held in the Kern Graduate Bldg. (A complete schedule of events for the fall will appear in the Sept. 5 issue of INTERCOM). Membership in the Newcomers' Club is open to women faculty members and wives of administrators or faculty members who have been here less than two years. Further information about the Club may be obtained by calling Mrs. Stuart Forth, 238-5268, or Mrs. Keith Lantz, 237-9404.

Library space

Members of the faculty who wish to obtain "Study Space Assignments" in Pattee Library for the Fall Term should note that the assignments will be made on a first-come, first-served basis Tuesday, Sept. 3, beginning at 8 a.m. in Room 106 Central Pattee. There are only 49 such spaces. Further questions should be directed to Cordelia Swinton, 665-5420.

Calendar Aug. 22-Sept. 6

SPECIAL EVENTS

Thursday, September 5 — Open house for new students, 7 p.m., Pollock-South Undergraduate Library.

Thursday-Friday, September 5-6 — Sorority and Fraternity Rush, 8 a.m.-5 p.m., Recreation Bldg.

Friday, September 6 — Artists Series, The Tamburitzans, 8:30 p.m., University Auditorium.

OFFICIAL

Thursday-Saturday, August 22-24 — Final examinations.

Saturday, August 31 — Summer Term Commencement Exercises, 10:30 a.m., Recreation Bldg.

Tuesday, September 3 — Arrival of new students.

Tuesday-Friday, September 3-6 — Orientation and advising.

Wednesday-Friday, September 4-6 — Registration.

EXHIBITS

Museum of Art — Selections from the Permanent Collection. Gallery 2 through September 1. Milton Osborne Drawings, Gallery A, through September 1. Philadelphia Artists, Gallery C, through September 1. Free Museum tours Thursdays, 1:30 p.m.

Kern Gallery — Mary Hamilton, children's prints, through August 24. Dan Reinhold, jewelry (cases).

Walnut Building — Murry DePillars, painting. Robert Jackson, photography. Lawrence Jordan, ceramics.

Pattee Library — Rare Books Room, Joseph Priestley display. Foyer, Centennial of Chemistry, history of Priestley House displays.

Davey Laboratory — Physical Science Library, "Evan Pugh, Professor of Chemistry."

Credit union

The Penn State Federal Credit Union made three appointments recently to the Credit Union Committee.

Eugene Nebane, Jr., classification analyst in the Office of Personnel Administration.

James W. Locker, Jr., personnel assistant in the Office of Personnel Administration.

Robert R. Vaughn, maintenance inspector, Office of Physical Plant.

The Credit Union is a savings and loan organization open to all University faculty and staff members.

SPECIAL —

(Continued from page one)

In the foyer of Pattee Library, items relating to the first centennial of the Priestley celebration and the history of the Priestley house are on display. Featured in the exhibit is the 1974 Memorial Album containing the mandate for this year's just concluded second centennial celebration. The album also contains photographs and autographs of the original centennial participants as well as pictures of Priestley's scientific instruments and other photos of the area and time.

The Physical Science Library in Davey Laboratory is presenting an exhibit called, "Eugene Pugh, Professor of Chemistry," focusing on the scientific career of Penn State's first president. The exhibit includes historical documents and pieces of apparatus covering Dr. Pugh's student years in Germany, where he received the doctorate in 1856; his travels in France and England; and his acceptance of the Penn State presidency. The exhibit's central piece is the diagram Pugh used to describe his hydrogen experiment to the Royal Society in London.

The experiment, which is the foundation of the modern fertilizer industry, proved conclusively that plants derive nitrogen from ammonia and soil nitrates and not from the atmosphere as originally suggested by Priestley.

Both the Pattee foyer and the Physical Sciences Library are open from 7:45 a.m. to 10 p.m. weekdays, 7:45 a.m. to 5 p.m. on Saturday, and 1 p.m. to 10 p.m. on Sunday.

The exhibits were designed by a committee that included Dr. Robert Bernheim, professor of chemistry; Charles Mann, curator of rare books and special collections; Dr. Roy A. Olafson, professor of chemistry; and Mrs. Margaret T. Riley, a staff member in the Pattee Library Penn State Room. Cornelius McKown, physical sciences librarian, served as chairman of the committee.

WPSX highlights

"The Mark of Zorro" the 1920 adventure film that was Douglas Fairbanks' first costume drama, is featured on "The Silent Years" Friday, August 23, at 10:00 p.m. on WPSX-TV, Channel 3. The role of the famous Mexican Robin Hood gives Fairbanks the opportunity to display the acrobatic skill that was to become his trademark. Appearing with him are Noah Beery and Marguerite de la Mora. Beginning Sunday, August 25, at 10:00 p.m., and continuing at that time through Thursday, August 28, Penn State Television is presenting recorded coverage of events at the 1985 Annual Fair in Centre Hall, Pa. The half-hour specials will feature the traditional fair events as well as special events planned for the centennial celebrations. Each program may also be seen the following afternoon at 2:00 p.m.

How is America faring under its first full year with an all-volunteer army? This is the subject of a special Remembrance of the Pleasure of the hour-long "PBS Special of the Week" documentary, Monday, August 26, at 8:00 p.m. on WPSX-TV. The program examines the complex issues surrounding the changeover from the draft, looks at recruitment techniques and the civil/military relationship that results from volunteerism, and compares America's volunteer system with that of other nations. The program may also be seen Saturday, August 31, at 9:30 p.m.

The relationship between the human population and both aquatic and terrestrial life is the subject of "Man, Bacteria, Man Ostracods" Thursday, August 27, at 8:00 p.m. on WPSX-TV. Noting that 359 animal species have become extinct in less than 15 years, the program's calendar should focus on the importance to man of biological diversity.

Vol. 3, No. 49

August 22, 1974

Penn State Intercom is a weekly publication for the academic community of The Pennsylvania State University. It is published each Thursday when classes are in session. General information and items of interest should be sent to the editor by Thursday of the week preceding publication date, Room 312 Old Main.

Editor: W. F. Ackerman

Phone 865-7517

Department head in EMS is named

Robert L. Frantz has succeeded Dr. Thomas V. Falkie as head of the department of mineral engineering. His appointment as professor of mining engineering and department head was effective August 1. Dr. Falkie is on leave to serve as director of the U.S. Bureau of Mines.

Frantz, president of the T. Boyd Co. consulting mining engineers, Pittsburgh, received an M.S. degree in mining engineering from Penn State in 1950. He is a 1948 graduate of Virginia Polytechnic and State University.

In 1957, after nine years with various private concerns, Frantz joined the mining engineering faculty at Ohio State University, and from 1961 to 1964 was in charge of the division. He left the university to join the Boyd company and subsequently became president.

Frantz is a registered professional engineer in Ohio, West Virginia, Indiana, and Pennsylvania.

NSF makes grant for noise study

A \$50,200 National Science Foundation research grant has been awarded to Dr. Gerhard Reethof, Alcoa Professor of mechanical engineering at the University.

The grant will be used to continue a research program initiated by the Alcoa Professorship fund. The program, a cooperative effort between the University's Noise Control Laboratory and several industrial valve manufacturers, is designed to develop a better fundamental understanding of industrial valve noise mechanisms.

Control valves and regulators are major sources of noise in the power generation and chemical industries, according to Dr. Reethof. The noise produced by these valves and regulators affects workers in plants, as well as people in surrounding communities.

Many of these valves are so noisy that they violate rules which have been stipulated by the Occupational Safety and Health Act.

The program may contribute to the development of noise prediction techniques and the design of quieter valves.

Press book

The University Press has published a book by Dr. George T. Harrell, Jr., vice president emeritus for health sciences, titled "Planning Medical Center Facilities for Education, Research and Public Service." It is a "review of the experience of one new medical school with a sampling of the unique features of others."

Staff vacancies

University faculty or staff members who are interested in any of the staff exempt or staff non-exempt jobs listed below may apply by calling Employment Office 865-1387 (Network Line 475-1387). Do not contact the area having the vacancy. Applications will be accepted until: 5:00 p.m., Sept. 5, 1974.

PROGRAMMER/ANALYST, INTERCOMPREHENSIVE PROGRAMS — University Park

Analyze, design, and implement computer-oriented systems and procedures in support of a comprehensive accounting and management information system for the Computation Center. Manage material and personnel necessary to assure appropriate computer processing, implement new computer techniques. Consult with faculty regarding instructional needs of students. B.S. degree in Business Administration or Computer Science and demonstrated programming ability is required.

KITCHEN SUPERVISOR — Hershey Medical Center
Instruct employees in proper methods of food preparation and cooking; demonstrate the use of standard recipes and use of various kitchen equipment; schedule work assignments and work locations for food items for special diets as ordered by physicians; supervise cooks and other personnel in preparation of food items for patient service as well as cafeteria and coffee shop. High school graduate plus organized outside study equivalent to at least two years of college; plus tour to seven years effective experience.

PROGRAMMER A — Hershey Medical Center
Responsible for analyzing the requirements of various systems and for the development of computer programs to fulfill these requirements. Bachelor's degree with knowledge of third generation computers and programming plus two to four years related experience.

THE UNIVERSITY IS AN EQUAL OPPORTUNITY EMPLOYER.

Honors

Carl O. Dossin professor emeritus of poultry science extension, has been elected Fellow of the National Poultry Science Association. He retired in 1965 as chairman of the Poultry Extension section after serving on the faculty for 38 years. He received a certificate August 8 at the annual meeting of the Association, which cited him for his contributions and achievements which helped to make Pennsylvania one of the nation's leaders in poultry and egg production.

Dr. William P. Graham, III, chief of plastic and reconstructive surgery, Hershey Medical Center, has been elected president of the Robert H. Ivy Society, an organization of plastic surgeons in Pennsylvania, parts of Maryland and New Jersey.

Leaves

Dr. Donald C. Rung, professor of mathematics, for the 1974-75 academic year, to serve as senior visiting research scientist in the department of mathematics at Carleton University, Ottawa, Ontario, where he will collaborate with Dr. Walter Schneider, professor of mathematics, on research in the area of complex function theory.

Dr. Reginald A. Deering, professor of physics, will do research at Stanford University while on a leave for a year, beginning September 1. His research, in the laboratory of Dr. Philip Hanawalt, will be concerned with DNA repair systems in cells, and it will be supported in part by an NIH Research Fellowship Award.

Appointments

Dr. Rostyn P. Glazerman, as assistant professor of religious studies. She received a bachelor of arts degree in music from Spelman College and as a pianist has composed songs and accompaniment. She received an M.A. degree in English from Georgia State College and a Ph.D. in humanities from Syracuse University, She

Funding Opportunities

Instruction—Research—Continuing Education—Fellowships

For procedural and funding source information, call 865-1372.

August 22, 1974

(143-1) In order to learn of sources of capability and existing research, new research programs, the Department of Housing and Urban Development (HUD) supports unsolicited proposals through both contract and grant funds. The new HUD On-Going Policy Research Program (POGR) is responsible for initiating, coordinating, and evaluating policies and programs to clarify and improve the roles of Federal, State, and Local governments in housing and urban development. POGR programs will focus on several areas of research including: family cash assistance to obtain housing, housing management improvements, housing and health care, housing systems options, economic and housing data collection and analysis, and national and community goals. For additional information contact: Michael A. Mastaglio, Assistant Secretary for Policy Development and Research, HUD, 451 7th St., S.W., Washington, D.C. 20410 (202-465-6551) (Ref. NSP Guidelines) HUD also supports doctoral dissertation grants. Instructions may be picked up in 317 Kern Bldg. (Ref. June 27 INTERCOM 1135-5 and Fellowship Opportunities 74-4, 6/8/74).

(143-2) Nov. 15, 1974 is the closing date for submitting proposals for the NSF Scientists and Engineers Research Program. The Program is funded by the Agency for International Development (AID) through the National Science Foundation, this special program provides support for individuals in scientific and technical fields to gain experience to specific problem of development in 39 developing countries. Both research/teaching grants and international travel grants are funded. For additional information contact: Director, International Programs, NSF, Washington, D.C. 20550, Mildred Basilevic (202-438-1178) (Ref. NSP 74-13).

(143-3) The Public Health Service (PHS) has published rules and regulations for its National Heart and Lung Institute Grants for National Research and Demonstration Centers. Applicants must be public or nonprofit private hospitals or schools of medicine or other public or nonprofit private agencies or institutions. Program requirements include basic and clinical research relating to the major disease areas on which the applicants would concentrate. Demonstration of the applicability of the research findings; information and education activities pertaining to such areas; and opportunities for training, including training of allied health professions personnel. (Ref. 39FR 27902, 8/27/74).

(143-4) The Air Force Office of Scientific Research (AFOSR) supports basic investigations in chemical sciences, mathematical and informational sciences, earth and solid state sciences, aeromechanics and energetics, life sciences, and general physics, and geophysics. Research is selected for support from unsolicited proposals. Criteria for selection of formal proposals include: relevance to AF needs, technical quality and originality, exper-

has taught piano and music, has served as an evaluation analyst for the Atlanta Metro Cities Program, and has been as adjunct instructor of English at LeMoyne College. Her dissertation research was concerned with the meaning and significance of existential communication in the philosophy of Karl Jaspers, theology of Martin Buber, and the drama of Gabriel Marcel.

Dr. Gerald E. Gipp, as assistant professor of education in the Division of Educational Policy Studies. A graduate of Ellendale State College, he earned an M.Ed. and a Ph.D. degree in educational administration at Penn State. He has been serving as instructor and associate director of the Native American Program at the University.

Garry L. Burkle, as instructor of environmental science in the Alamosa Campus. He has been teaching at Western Michigan University the past three years. A graduate of Illinois State University, with a B.S. degree in geography, he received an M.S. from the same school and is now a candidate for the Ph.D. at Michigan State.

James W. Hill, as assistant professor of English. He is a graduate of Carnegie-Mellon University, with a degree in industrial management, and was supervisor of engineering administration at Westinghouse-Frye, Inc. He has also served as publications manager and manager of communications for Westinghouse Electric Corp., technical writer supervisor at the Lawrence Radiation Lab at the University of California, and editing supervisor for E.I. du Pont de Nemours, Savannah River Laboratory.

Dr. Charles C. Snow, as assistant professor of organizational behavior. A graduate of San Diego State University with the bachelor's degree in business administration, Dr. Snow received the doctorate of philosophy degree in business administration from the University of California at Berkeley. He has been a postdoctoral fellow at Stanford University.

ience of investigation, adequacy of research facilities, and reasonableness of proposed budget. Proposals may be submitted at any time. Contact AFOSR (CSC), 1400 Wilson Blvd., Arlington, VA 22209 (202-465-4751) (Ref. CBO 7117/74).

(143-5) The National Institute of Mental Health (NIMH) Division of Special Mental Health Programs (SMHP) has four programs for which there are application deadlines for 1975. These programs are: Child and Adolescent Mental Health; Child and Adolescent Mental Health; Child and Adolescent Mental Health; Child and Adolescent Mental Health. For information on these programs contact: Mental Health of Children and Families Research Grants — Dr. Edwin L. Nohel, Chief, Center for Studies of Child and Adolescent Mental Health, NIMH, 5000 Fishers Lane, Rockville, MD 20852 (301-443-3536); Metropolitan Mental Health Problems — Dr. Elliott Liebow, Chief, Center for Studies of Metropolitan Problems, SMHP, NIMH, 5000 Fishers Lane, Rockville, MD 20852 (301-443-3373); Mental Health of the Aging Research Grants — Dr. Thomas E. Anderson, Chief, Section of Geriatric Psychiatry, SMHP, NIMH, 5000 Fishers Lane, Rockville, MD 20852 (301-443-4726); and Studies of Crime and Delinquency — Dr. Saleem A. Shah, Chief, Center for Studies of Crime and Delinquency, SMHP, NIMH, 5000 Fishers Lane, Rockville, MD 20852 (301-443-3774) (Ref. OPI 44-4726).

(143-6) The National Institute of Health (NIH) has announced the following application deadline dates for the Mental Health Research Program. The program is a part of the Center for Epidemiologic Studies, Office of Extramural Research Programs, NIMH, 5000 Fishers Lane, Rockville, MD 20852 (301-443-3774) (Ref. OPI 44-4726).

Exhibit on Recent Developments in Research Methods and Instrumentation sponsored by and held at the National Institutes of Health, 5000 Rockville, MD 20852. The exhibit is open to the public.

Topic areas are: Separation Science Techniques; Modern Applications of Enzymes as Reagents; Electronic Cell Sorting; Laser Light Source Spectroscopy; Ultrasonic Diagnostic Imaging; Radiation and Radiobiologic Diagnostic Imaging; Computer for Information (program and abstracts ready September); is: Office of Administrative Services, NIH, 5000 Fishers Lane, Rockville, MD 20852, Bethesda, Maryland 20814 (301-495-2131) (Ref. NIH Notice, 7/30/74).

REMINISERS AND DEADLINE DATES
SEPT 15 for NIMH Training Grants Program (Ref. 15 INTERCOM 1412-1) — Oct. 1 for PHS Special Grants in Nursing and HRA Nursing Research Grants (Ref. 15 INTERCOM 1412-1) — Oct. 1 for NIH/ORD research and resources programs (Ref. 15 INTERCOM 1412-4) — Oct. 1 for four international studies and research programs (Ref. 15 INTERCOM 1412-5) — Oct. 1 for NSF Faculty Research Participation Program (Aug. 1 INTERCOM 1410-2) — Oct. 1 for NEH Personal Development Grants (Ref. 15 INTERCOM 1410-3) — Oct. 1 for NIH/ORD research and resources programs (Aug. 1 INTERCOM 1411-1).

PENN STATE intercom

Volume 3, Number 50

August 29, 1974

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

At Capitol Campus, 114 degrees

Commencements Saturday

Commencement exercises will be held for the Summer Term at University Park and at Capitol Campus in Middletown Saturday (August 31).

At University Park, some 1,600 graduates will receive degrees in Recreation Building; the ceremony begins at 10:30 a.m. Members of the faculty planning to be part of the procession will meet under the South Balcony at 10:15 a.m., in academic dress. President Oswald will preside, and William K. Uierlich, vice president of the Board of Trustees, will assist in conferring degrees.

Seniors to be granted baccalaureate degrees total 912; 529 master's degrees

and 148 doctorates will be conferred.

A commissioning ceremony for seniors will be held by Army, Navy, and Air Force R.O.T.C. units Saturday at 8:30 a.m. in the HUB Assembly Room. A total of 19 will receive either reserve or regular commissions at the ceremony, at which Dr. Gordon C. Godbey, associate dean of the College of Education, will be the speaker.

At Capitol Campus, 114 degrees will be conferred at exercises beginning at 11:30 a.m., including 73 baccalaureate and 41 master's degrees. Dr. Robert E. McDermott, Provost, will preside, assisted in the conferring of degrees by Walter J. Conti, member of the Board of Trustees.

For commencement and arrival day

Traffic, parking problems upcoming

Prepare for a traffic and parking problem Tuesday, Sept. 3. That is the day new students will arrive on campus.

For the past many years, the annual influx in the fall of new students took place on Sunday, and many parents brought their sons and daughters, with their luggage, then returned home the same day. With relatively few faculty and staff members on campus, there was little problem with the number of cars.

Presumably, unless many staff members decide to walk or do more car pooling, there could be a problem.

On a limited scale, a traffic problem

could occur Saturday, Aug. 31, when commencement is held in Recreation Building. To help relieve potential congestion in the general area of the building, staff members are asked to find parking in areas away from the building if they plan to be on campus that morning.

A traffic control change is instituted prior to the beginning of the ceremony (at 10:30 a.m.), with one-way traffic on Curtin and Burrows roads in a southerly direction between Fraser Rd. and Pollock Rd. Fraser Rd. will have one-way northbound traffic only.

Council responds to recommendations

The University Council has forwarded to President Oswald its response to changes in Council structure and function recommended by the Joint Senate Administrative Select Committee on Governance.

In general, the Council response takes exception to recommendations of the joint committee that its role be changed to that of a coordinating body. Rather, since it is comprised equally of students, faculty, and administrators, members feel that it brings a unique viewpoint to its role of

advising the University President and should be retained in its present form.

In responding to a request for greater flexibility in Commonwealth Campus scheduling, Council members last week agreed to study existing policy to determine if such flexibility does not already exist.

The Council also received a report on the 1974 course evaluation by graduating seniors.

The next meeting is tentatively scheduled for September 12.

Research associate needed

The College of Human Development in seeking a research associate for a social welfare services program evaluation project has asked that applicants be directed to C. Wilson Anderson, 865-1717, Room 211 South Human Development Bldg. The description of the position is as follows:

Assist in the direction and administration of an evaluation project of a comprehensive, neighborhood-based, and integrated social welfare services program. One-half of this appointment will directly involve research design, development of work plans, and facilitation of field research by project staff members. One-half time will be directly related to involvement in a selected research component of the evaluation project. Ph.D. (or near) plus experience in applied social science research related to social program administration and operation. Must locate residentially in Wilkes-Barre area.

News in brief

RETIRED STAFF CLUB

The 167th meeting of the Penn State Retired Staff Club, which is open to all retired University faculty and staff members, will be held Thursday, Sept. 5, at the Civil Engineering Camp at Stone Valley. This is the annual picnic supper meeting; the meal will be served at 5 p.m. Members should contact Mr. and Mrs. John Pepper, 237-2165, at least three days in advance, if they plan to attend.

HAZLETON CONTRACT

The General State Authority has awarded the general contract for construction of a physical education building at the Hazleton Campus to the Sutter Corporation of Pittsburgh. The building, designed by a Pittsburgh architectural firm, is expected to be completed by June, 1976. The total of the contracts let by GSA is for \$2,697,000.

PHOTO EXHIBIT

Photographs by Barry Lavery, currently a free-lance photographer and instructor of photography at the Art Institute of Pittsburgh, are on display in the Graduate Commons Gallery, Kern Building, and will remain until Sept. 7. All are priced for sale. Lavery has served as a staff photographer and cinematographer for WPHL-TV, Philadelphia, and as coordinator for the art gallery at Pittsburgh Power and Light Co. Most of the photos are of persons in an environment, straight forward, and not gimmicky.

HERSHEY GRANT

To develop a test to predict hemophilia carriers and to support clinical research

related to the factor VIII antigen, the Central Pennsylvania chapter of the National Hemophilia Foundation has provided a grant of \$5,000 to the Hershey Medical Center.

LIBRARY STUDY AREAS

Faculty members seeking a study space in Pattee Library are reminded that number just 49, will be made Sept. 3 (Tuesday) beginning at 8 a.m. on a first-come, first-served basis in Room 106 Central Pattee.

FOOTBALL BROCHURE

Copies of the 1974 Penn State Football brochure are available, containing a variety of information about the upcoming season as well as records of past years and of individual records. They may be obtained at the Ticket Office in Recreation Building at \$2 each or, if ordered by mail, at \$2.50.

DIAL TONE

A reminder concerning telephone procedure is given by Telephone Service to those who may not have yet become accustomed to recent changes in Bell Telephone Co. equipment. From University phones, after dialing 9 for local, off-campus phones and after dialing 8 for long distance calls, there will be a dial tone. If no dial tone is heard, do not proceed further.

OPEN HOUSE IN PSUL

On Thursday, September 5 at 7 p.m. in the Pollock-South Undergraduate Library, the Undergraduate Library will hold an open house. A brief slide-tape program will precede an informal question and answer period concerning library services at the

(Continued on page two)

Artists Series opens 1974-75 season with folkdance group

Colorful dances and exciting folk music of East Europe are the specialty of The Tamburitzans, the Duquesne University group which opens the 1974-75 Artists Series Friday and Saturday, Sept. 6 and 7, in University Auditorium. Curtain is 8:30 p.m.

Tickets go on sale at the University Auditorium box office and downstairs in the Hetzel Union Bldg. Tuesday, Sept. 3, at 9 a.m.; the sale continues through Friday. Tickets will also be sold at registration in Rec Hall.

In their 37 years of existence, The Tamburitzans have been given high praise not only in the U.S. but in Yugoslavia, Greece, Czechoslovakia, Bulgaria, Romania, Poland, Soviet Union, Italy, France, Mexico, and Canada.

The students in the group, from all sections of the country, are on full four-year scholarships at Duquesne, and since 1937 hundreds have received more than two million dollars in financial aid. They have

made seven trips abroad, presenting in those concerts not only East European dances and music but also songs, dances and music of the U.S. In concerts here, they have emphasized the cultural heritage of the East European people.

Beyond their own performances, The Tamburitzans have been responsible for a Pittsburgh Folk Festival, a Tamburitzan Philharmonic Orchestra, a Tamburitzan Cultural Center, and a Tamburitzan Institute of Folk Arts. In addition, many alumni have initiated or been active in junior Tamburitzan groups throughout the country.

With more than 500 authentic costumes of the East Europe area they represent, The Tamburitzans sing in a dozen different European languages and perform the dances of those countries.

The Tamburitzans is one of the Artists Series "Special Events," all of which will be held in University Auditorium, with an 8:30 p.m. curtain.

(Continued on page two)



The Tamburitzans, performing a dance of the Ose people of Romania, on Artists Series Sept. 6, 7 in University Auditorium.

REMINDEES AND DEADLINE DATES

Sept. 15 for NIMH Training Grants Program (Aug. 15 INTERCOM #142-1) . . . Oct. 1 for NIMH research and resources programs (Aug. 15 INTERCOM #142-4) . . . Oct. 1 for NSF Faculty Research Participation Program (Aug. 1 INTERCOM #140-3) . . . Oct. 1 for NEH Personnel Development Program (Aug. 1 INTERCOM #140-3) . . . Oct. 1 at a minimum for nine Food & Drug research programs (Aug. 15 INTERCOM #141-1) . . . Oct. 1 and Feb. 1 for NIMH special mental health programs (Aug. 15 INTERCOM #143-5) . . . Nov. 15, NSF Scientists and Engineers in Economic Development Program (Aug. 22 INTERCOM #143-2).



PENN STATE intercom

Volume 4, Number 1

September 5, 1974

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

Announcements

Rule M-3B in effect

Provisions of a revised Rule M-3B of the University Faculty Senate, dealing with the repeating of courses, will be implemented in the Fall Term, and students, faculty, and administrators are urged to review the rule, which could have an impact on the preparation of the student's schedule for the next few years. The changes in Rule M-3B are summarized as follows:

Beginning with the Fall Term, students must obtain their adviser's signature as well as the signature of the department head of the course being repeated. Students may petition to repeat only those courses in which an "F" grade was received. The number of petitions for course repeat will be limited to four. If a student fails the same course more than once, only one "F" will be excluded from his grade-point average. The grade of the course being repeated must be a "C" or above in order to have this grade used in the calculation of the grade-point average. Course Repeat Forms will be accepted in the Records Office September 9 through September 30, 1974, only.

Speech options

General information about the course Speech 200 is provided by the department of speech to aid advisors and students themselves in pre-registering Sept. 9-30 for the Winter Term.

Three options will be available in the course and students will indicate their option at that time:

"C" sections — students prepare and present three or more individual speeches, with attention to being introduced to group problem solving. This is the message preparation program formerly known as Emphasis A.

"T" sections — emphasis on group work and interviewing; public speaking taught and evaluated but with less stress than on group problem solving. Formerly "B" option.

"W" sections — focus on interpreting and evaluating rhetorical communication; primary consideration to student as recipient of communication.

A fourth option is available for students with severe anxiety about communicating; students transfer to special sections after the term begins.

Scheduling auditoriums

Inquiries regarding the scheduling and use of University Auditorium, Schwab Auditorium, and Recreation Building for cultural/performing events should be directed to Theodore S. Glatas, manager of University auditoriums, according to guidelines effective Sept. 1. Arrangements for technical, special, custodial, and security personnel, ushers, and such related services will also be handled through Mr. Glatas' office, 105 University Auditorium, 863-0388. A list of services and charges will be available in mid-September. University auditorium management is a division of University Arts Services. Dr. Walter H. Walters, director.

Speech instruction for faculty

The Speech Communication Department will offer a service to faculty, graduate students, staff, and undergraduates who are interested in developing their communication skills in situations such as delivering lectures, participating in problem solving groups, talking with strangers, and initiating and maintaining conversation in social situations. Instruction will be given every Wednesday evening beginning September 18. Interested persons may come to room 227 Sparks at 7:00 P.M. Anyone wanting further information may call Dr. Gerald Phillips at 865-4072.

Flay wins Class of '33 award

Dr. Joseph C. Flay, associate professor of philosophy, received the Class of 1933 Award for Outstanding Contributions in the Field of Humanities at commencement exercises last Saturday.

The award, consisting of a plaque and \$500, was presented by Dr. Stanley F. Paulson, dean of the College of the Liberal Arts. It was established in 1962 by the Class of 1933.

A native of Reading, Pa., Dr. Flay obtained his bachelor of arts degree in philosophy from Penn State, joining the faculty in 1963. He holds a doctor of philosophy degree, also in philosophy, from the University of Southern California.

His research interests have centered around the philosopher, G. W. F. Hegel, and he has written on topics in social and political philosophy. In addition to teaching courses in these areas at both the graduate and undergraduate levels, he conducts introductory courses in philosophy and classes on ancient philosophy and metaphysics.

Dr. Flay has also been named associate director of the Interdisciplinary Graduate Program in the Humanities. This project, which has been underwritten by a \$471,549 four-year grant from the National Endowment for the Humanities, is responding to current problems in graduate education and the job market.

Artists Series

The New York Brass Quintet will feature works of Bach, Malcolm Arnold, Wilhelm Ramose, Anthony Holborne, Jean Louel, Gunther Schuller, and Eugene Bozza in its Artists Series program Sunday, Sept. 15, at 8:30 p.m. in Schwab Auditorium.

Tickets for the performance will go on sale at the HUB and at the University Auditorium box office Wednesday, Sept. 11.

The Quintet consists of Robert Nagel, trumpet, Alan Dean, trumpet, Paul Ingraham, French horn, John Swallow, trombone, and Thompson Hanks, tuba.

News in brief

CHORAL SOCIETY

Faculty members and their spouses, as well as other area residents, are invited to attend open rehearsals Sept. 9 and Sept. 16 of the State College Choral Society, which is directed by Dr. D. Douglas Miller, assistant professor of music. Auditions will be held after rehearsals, at St. Paul Methodist Church, 123 McAllister St.

ENROLLMENT

Final enrollment figures for the Fall Term will be announced later, but an estimate given last week placed the total of resident students at University Park at 30,300 and for all campuses combined at 49,470. The University Park figure would be about 900 more than a year ago and the total for all campuses about 1,000 above 1973.

ENTRIES DUE

Faculty members are invited to participate within the Graduate Division. In the intramural programs in touch football and tennis singles during the Fall Term; play begins about Sept. 17. Entries for both programs will be accepted at the Intramural Office, Room 206 Recreation Bldg. from Sept. 9 until Sept. 12 at 4:30 p.m. Further information may be obtained by calling 865-5401.

SPEIGHT EXHIBIT

Landscapes and cityscapes of southeastern Pennsylvania scenes will be featured in a major retrospective of the work of Francis Speight opening in Galleries A and C of the Museum of Art on Sunday, Sept. 8.

In "Manayunk and Other Places," on view through Oct. 31, the Museum staff has brought together some 60 oils, watercolors, and drawings representative of 50 years of work by the noted American artist.

The exhibit is accompanied by a catalog written by William Hull, Museum director, and illustrated by seven color and forty black and white reproductions. The Speight show is supported by a grant from the National Endowment for the Arts.

CRYSTAL PHOTOS

Marc Levey, counselor with the Educational Opportunity Program, has an exhibit of photographs of microscopic crystal composition on display in the Graduate Commons Gallery in Kern Bldg.; it will

remain until Sept. 7. The photos are of chemical crystals — ranging from common sugar to a-mercaptobenzothiazole — subjected to polarized light, resulting in an unusual form of abstract art. Many of the photos are for sale, in sizes up to 20 by 24 inches.

AIRPORT RUNWAY

The new 5,000-ft runway at the University Park Airport has been opened for use. While actual construction of the runway and taxiways was started only a year ago, completion of the project marks the end of more than five years of planning for the new runway, which will greatly improve safety conditions at the airport. The \$2.3 million project was financed by Federal, State, and University funds with Federal and State funds paying more than 80 per cent of the total.

POSTAL ART

The University is among five universities selected by the United States Postal Service to judge an art competition celebrating the 1975 bicentennial of the postal service. Open to the children of thousands of postal employees, the contest will be judged by the art departments of universities in five geographic regions of the country. Penn State's selection committee will include students and faculty from the Departments of Art and Art Education. The eastern region which the Penn State group will jury includes Pennsylvania, Delaware, New York, New Jersey, Virginia, West Virginia, and the District of Columbia.

POND EXHIBIT

Dr. George Gilbert Pond, professor and first dean of chemistry at The Pennsylvania State University, is honored for preserving the Joseph Priestley house and collecting Evan Pugh's papers and scientific memorabilia in a Penn State Collection exhibit continuing through September in the central foyer of Pattee Library.

The exhibit is one arranged in the University Libraries for the recent meeting of the American Chemical Society's division of chemical education, coinciding with the bicentennial of Priestley's discovery of oxygen and the centennial of the first national gathering of American chemists.

Dean Pond rescued the historic house at Northumberland, Pa., from threatened destruction when he purchased it at public sale in 1919 with contributions from Penn State chemistry alumni and friends.

NSF aids materials science project

The University has been named headquarters for a materials science and engineering education project supported by the National Science Foundation. The entire project contract award was for \$275,800.

The program will be guided for the entire materials science and engineering community by a national advisory committee, chaired by Dr. Morris Fine, of Northwestern University. Other committee members will be drawn from university departments, professional societies which are active in the field, and appropriate industries with continuing education programs.

Dr. Rustum Roy, director of the Materials Research Laboratory and professor of the solid state, will head the project, assisted by Dr. Herbert A. McKinsley, associate professor of solid state technology, and Clifford A. Hewitt, research assistant, as media specialist. Both are with the Materials Research Laboratory.

Primary aim of the project, Dr. Roy explains, will be the discovery, modification and preparation of modular instructional materials in all media.

It will also prepare and promote an "index" of media and encourage the utilization of such materials by enabling them to be easily located within a specific area of instructional usage. Traditional methods of teaching will benefit from many aspects of the program, but self-paced, individual instruction will be a major concern in the whole process. Hence its value to industry for training purposes will be as great as its value to universities.

It is expected that new creative efforts at media production will be generated by the project along with the new modular instructional materials. One of the aims of the project is to raise the level of professional recognition awarded for creative endeavors of this kind.

Fall Term 1974 Calendar

University Park Campus

The Pennsylvania State University

Week of Sept. 2

Thursday, September 5

Sorority and Fraternity Rush, 8 a.m.-5 p.m., Recreation Bldg.
Open house for new students, 7 p.m., Pollock-South Undergraduate Library.
New student Library orientation tours for undergraduates, 9, 10 and 11 a.m., 2, 3 and 4 p.m., Pattee.
Graduate student Library orientation tours, 10 and 11 a.m., 1 and 3 p.m., Room E105 East Pattee.
Registration, Rec Hall.

Friday, September 6

Sorority and Fraternity Rush, 8 a.m.-5 p.m., Recreation Bldg.
Artists Series, The Tamburitans, 8:30 p.m., University Auditorium.
New student Library orientation tours for undergraduates, 9, 10, and 11 a.m.; 2, 3, and 4 p.m., Pattee.
Graduate student Library orientation tours, 10 and 11 a.m., 1 and 3 p.m., Room E105 East Pattee.
Registration, Rec Hall.

Saturday, September 7

Sorority and Fraternity Rush, 8 a.m.-5 p.m., Recreation Bldg.
Artists Series, The Tamburitans, 8:30 p.m., University Auditorium.
Registration, Rec Hall.

Week of Sept. 9

Monday, September 9

Colloquy, Governor Milton J. Shapp on "Issues Affecting Colleges and Universities in Pennsylvania," 8 p.m., University Auditorium.
New student Library orientation tour for undergraduates, 7 p.m., Pattee.
Graduate student Library orientation tours, 9:35 and 11 a.m., 1 and 2 p.m., Room E105 East Pattee.
Pre-registration for Winter Term.
File for Repeat Course.
Entry for Coed Flag Football tournament, entry forms available in Room 109A, White.
Library orientation for faculty, 9:35 a.m. and 2:20 p.m., Room 105 East Pattee.
Classes begin, 8 a.m.

Tuesday, September 10

Pre-registration for Winter Term.
File for Repeat Course.
Seminar on the use of the card catalog, 7 p.m., Room W106, Pattee Undergraduate Library.
Library orientation for faculty, 9:35 a.m. and 2:20 p.m., Room E105 East Pattee.
Graduate student Library orientation tours, 9:35 and 11 a.m., 1, 2 and 7 p.m., Room E105 East Pattee.

Wednesday, September 11

Sorority Rush, at sorority chapters.
Pre-registration for Winter Term.
File for Repeat Course.
Library orientation for faculty, 9:35 a.m. and 2:20 p.m., Room E105 East Pattee.
Volunteer Service Center recruiting meeting, 7 p.m., Room 203 HUB.
Commonspace Theatre, 8 and 10 p.m., Room 112 Kern. "Guns of Navarone."
Graduate student Library orientation tours, 9:35 and 11 a.m., 1 and 2 p.m., Room E105 East Pattee.

Thursday, September 12

Pre-registration for Winter Term.
File for Repeat Course.
Seminar on the use of the Serials Holdings List, 7 p.m., Room W106 Pattee Undergraduate Library.
Library orientation for faculty, 9:35 a.m. and 2:20 p.m., Room E105 East Pattee.

Friday, September 13

Sports: Soccer, vs. East Stroudsburg, 7 p.m., Jeffrey Field. Freshman football, vs. Milford Academy, 3 p.m., Beaver Stadium.
Pre-registration for Winter Term.
File for Repeat Course.
Arnold Air Society jammy, 8 p.m., HUB ballroom.
Library orientation for faculty, 9:35 a.m. and 2 p.m., Room E105 East Pattee.
Commonspace Coffeehouse, 8 p.m., Room 102 Kern.

Saturday, September 14

Sports: Football, vs. Stanford, 1:30 p.m., Beaver Stadium.
Pre-registration for Winter Term.
File for Repeat Course.
Bahá'í Club, 7 p.m., HUB assembly room. Social event.

Sunday, September 15

Artists Series, New York Brass Quintet, 8:30 p.m., Schwab.
Chapel Service, 11 a.m., Eisenhower Chapel.
The Reverend Charles L. Coleman, Program Director, Religious Affairs.
Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

Week of Sept. 16

Monday, September 16

Pre-registration for Winter Term.
File for Repeat Course.
Entry close for Coed Football tournament.
Library orientation for faculty, 9:35 a.m., Room 105 East Pattee.
Gamma Pi Epsilon program, film, "Biography of a Cancer," HUB assembly room, 8 p.m.

Tuesday, September 17

Pre-registration for Winter Term.
File for Repeat Course.
Senate Council meeting, 2:10 p.m., Room 101 Kern.
Library orientation for faculty, 9:35 a.m. and 2:20 p.m., Room E105 East Pattee.
Deadline for entries in Touch Football and Tennis sprints, 4:30 p.m., Room 206 Rec Hall.

Wednesday, September 18

Mary Roens, violin recital, 8:30 p.m., Music Bldg. recital hall.
Library orientation for faculty, 9:35 a.m. and 2:20 p.m., Room E105 Pattee.
Sports: Soccer, vs. West Virginia, 7 p.m., Jeffrey Field.
Pre-registration for Winter Term.
Deadline for filing Course Adds.
File for Repeat Course.
Artists Series Film Festival, "Modern Times," Charlie Chaplin, 8:30 p.m., University Auditorium.
Commonspace Theatre, 8 and 10 p.m., Room 112 Kern. "The Fly."

Thursday, September 19

Pre-registration for Winter Term.
File for Repeat Course.
Library orientation for faculty, 9:35 a.m. and 2:20 p.m., Room E105 East Pattee.

Friday, September 20

Pre-registration for Fall Term.
File for Repeat Course.
Sports: Freshman football, vs. Villanova, 3 p.m., Beaver Stadium.
Library orientation for faculty, 9:35 a.m. and 2:20 p.m., Room E105 East Pattee.
Commonspace Coffeehouse, 8 p.m., Room 102 Kern.

Saturday, September 21

Football, vs. Navy, 1:30 p.m., Beaver Stadium.
Women's golf, vs. Madison College, 10 a.m.
Pre-registration for Winter Term.
File for Repeat Course.

Sunday, September 22

Chapel Service, 11 a.m., Music Bldg. recital hall.
Captain John O'Connor, Chaplain United States Naval Academy.
Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

Week of Sept. 23

Monday, September 23

Pre-registration for Winter Term.
File for Repeat Course.
Coed Flag Football tournament, 6:30 p.m., East Halls Field.

Tuesday, September 24

Artists Series Film Festival, "Torrent," Ingmar Bergman, 8:30 p.m., Schwab.
Faculty Women's Club, fall reception, 7:30-9:30 p.m., Kern.
Seminar on the use of psychology reference materials, 7 p.m., Room W106, Pattee Undergraduate Library.
Sports: Soccer, vs. Hartwick, 7 p.m., Jeffrey Field.
College of Agriculture faculty meeting, 4 p.m., Room 301 Agricultural Administration.
Pre-registration for Winter Term.
File for Course Repeat.
Free-University registration, 7-10 p.m., HUB assembly room.

Wednesday, September 25

Pre-registration for Winter Term.
File for Repeat Course.
Free-University registration, 9 a.m.-5 p.m., HUB assembly room.
Alard String Quartet, 8:30 p.m., Music Bldg. recital hall.
Commonspace Theatre, 8 and 10 p.m., Room 112 Kern. "The Dead Are Alive."

Thursday, September 26

College of Arts and Architecture faculty meeting, 4 p.m., Room 122 Music Bldg.
Commonspace Theatre, 8 and 10 p.m., Room 112 Kern. "The Dead Are Alive."
Pre-registration for Winter Term.
File for Pass/Fail.
File for Repeat Course.

Friday, September 27

Folk and Square Dance Roundup, 7:30 p.m., North Gym, White Bldg.
Commonspace Coffeehouse, 8 p.m., Room 102 Kern.
Pre-registration for Winter Term.
File for Pass/Fail.
File for Repeat Course.

Saturday, September 28

Artists Series, Marilyn Horne, soprano, 8:30 p.m., University Auditorium.
Sports: Cross country, vs. Villanova.
Pre-registration for Winter Term.
File for Repeat Course.

Sunday, September 29

Chapel Service, 11 a.m., Eisenhower Chapel.
Dr. Tony A. Mobley, chairman, Recreation and Parks.
Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

SEMINARS

Agromony — Thursdays, 3:55 p.m., Room 301 Agricultural Administration.
Biochemistry — Mondays and Tuesdays, 11 a.m., Room 101 Althouse Lab, starting Sept. 16-17.
Chemistry — Thursdays, irregularly, 12:45 p.m., Room 333 Whitmore, starting Sept. 19.
Comparative Literature — Tuesdays, luncheon and discussions, 12:15 p.m., HUB dining room.
Computer Science — Thursdays, 4 p.m., Room 101 Althouse Lab.



Paul Winter Concert, on Artists Series Friday, Oct. 4, in Schwab Auditorium.

Week of Sept. 30

Monday, September 30

Pre-registration deadline for Winter Term.
Deadline for filing Course Drops.
File for Pass/Fail.
Sports: Women's field hockey, vs. Slippery Rock, 2:30 p.m.
Deadline for filing Course Repeat.
Robert Tryth, baritone, 8:30 p.m., Music Bldg. recital hall.
Gamma Pi Epsilon program on "Addiction and Rehabilitation," by speakers from "On Drugs," 8 p.m., McElwain Hall piano lounge.

Tuesday, October 1

Senate Meeting, 2:10 p.m., Room 112 Kern.

Wednesday, October 2

Claremont Woodwind Quintet, 8:30 p.m., Music Bldg. recital hall.
Commonspace Theatre, 8 and 10 p.m., Room 112 Kern. "To Have and To Have Not."

Thursday, October 3

West German Woman's National Volleyball Team vs. U.S.A. Eastern Zone National Team, 9 p.m., Rec Hall.

Friday, October 4

Deadline for application for Winter Term Tuition Grants-In-Aid, Room 317 Kern.
Artists Series, Winter Consort, 8:30 p.m., Schwab.
Commonspace Coffeehouse, 8 p.m., Room 102 Kern.

Sunday, October 6

Chapel Service, 11 a.m., Eisenhower Chapel.
Sister Beverly Stanton, Campus Ministry, Morgan State College.
Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.
Sigma Delta Epsilon, 2:30 p.m., Room 102 Kern. Talk on job opportunities.

SURREALISM

"Surrealism — A Celebration" will be held at University Park Nov. 7, 8 and 9 with a program in literature, art, theatre, dance, film, music, symposia, and a banquet to note the 50th anniversary of the first "Manifeste du Surrealisme," published by Andre Breton in 1924. The celebration will in total be an international conference dedicated to all facets of Surrealism.

EXHIBITS

MUSEUM OF ART
Manayunk and Other Places: Francis Speight's paintings and drawings, Sept. 8-Oct. 27, Galleries A and C.
Living Artists and the Figure, Nov. 3-Dec. 22, Galleries A and C.
Selections from the permanent collection, Gallery B.
(Free public hours Thursdays, 1:30 p.m.)

ZOLLER GALLERY
SuperMud, Oct. 7-26.
Fiftieth Anniversary of the Surrealistic Manifesto, Nov. 8-10.

SACKETT GALLERY
"Light," a show of architecture student work, Sept. 9-24.

CHAMBERS GALLERY
Pennsylvania Guild of Craftsmen, crafts, Sept. 6-26.
Jeanne Stevens-Sollman, drawings and ceramics, Sept. 27-Oct. 18.
Dan Fitch, paintings, drawings, construction, Oct. 18-Nov. 15.
David Don Tiginy, ceramics, and George Zoretich, paintings, opening Dec. 2.

KERN GALLERY
Marsha and Ralph Kaleshetski, paintings, Sept. 8-26.
Bob and Susan Duncan, oil paintings, Sept. 29-Oct. 12.
D. Blumenthal, acrylics, Oct. 13-Nov. 6.
Ken Kuhn, paintings, Oct. 13-Nov. 9.
Shirley Sturtz, watercolors, drawings, Nov. 10-23.
Denise Falkow, ceramics, Oct. 1-31.

HAMMOND GALLERY
Architectural Engineering Student Projects Exhibition, Sept. 5-29.

Environmental Problem Solving (Aviation), 8 p.m., Room 105 Forum, Sept. 19, 30; Oct. 7, 14, 28; Nov. 4.

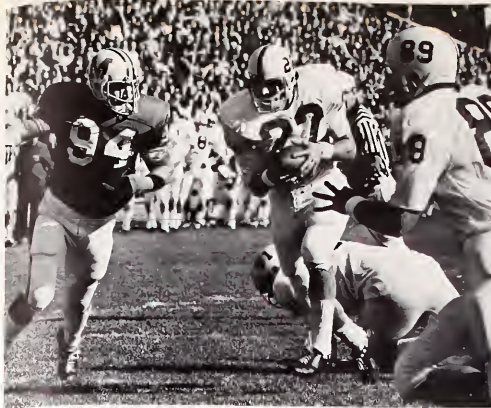
Meteorology — Thursday's, 3:55 p.m., Room 25 Mineral Sciences.

Microbiology — Thursdays, 4 p.m., Room S2 Fear Lab.

Physics — Thursdays, 3:45 p.m., Room 117 Osmond, beginning Sept. 16.

Plant Pathology — Mondays, 9:45 a.m., Room 213 Buckhout, beginning Sept. 16.

Genetics — Mondays, 4 p.m., Room 113 Tyson.



Mayfield's big 94, an all-America prospect will be back to challenge Penn State Nov. 2 in Beaver Stadium, but he won't have No. 22 (John Cappelletti) to contend with. It will be the East's top game.

Week of Oct. 7

Tuesday, October 8

Sports: Women's field hockey, vs. Bucknell, 2:30 p.m.
Artists Series Film Festival, "The Naked Night," Ingmar Bergman, 8:30 p.m., Schwab.

Wednesday, October 9

Sports: Soccer, vs. Bucknell, 7 p.m., Jeffrey Field.
University Theatre student preview, "The Seagull," 8 p.m., Pavilion Theatre.
Musica da Camera, 8:30 p.m., Music Bldg. recital hall.
Commonplace Theatre, 8 and 10 p.m., Room 112 Kern. "Chism."

Thursday, October 10

Sports: Women's field hockey, vs. Ursinus, 2:30 p.m.
University Theatre, "The Seagull," 8 p.m., Pavilion Theatre.

Friday, October 11

Homecoming weekend.
Colloquy, George Plimpton, author, on "The Amateur Among the Pros," 9:30 p.m., University Auditorium.
University Theatre, "The Seagull," 8 p.m., Pavilion Theatre.
Sports: Soccer, vs. Army, 7 p.m., Jeffrey Field.
Commonplace Coffeehouse, 8 p.m., Room 102 Kern.
Genetics Symposium, 1-5 p.m., Room 112 Kern.

Saturday, October 12

Sports: Football, vs. Wake Forest, 1:30 p.m., Beaver Stadium, Homecoming.
University Theatre, "The Seagull," 8 p.m., Pavilion Theatre.
Penn State Glee Club Homecoming Concert, 7:30 p.m., HUB ballroom.

Sunday, October 13

Chapel Service, 11 a.m., Music Bldg. recital hall. The Reverend Nelson Frank, former pastor of St. Paul's United Methodist Church, State College.
Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

Week of Oct. 14

Monday, October 14

Gamma Pi Epsilon program, 8 p.m., McElwain Hall piano lounge. Dr. Marshall Rafe, on "The Physician and the Planning of Health Services."

Tuesday, October 15

Sports: Women's field hockey, vs. West Chester, 3 p.m.
University Theatre, "The Seagull," 8 p.m., Pavilion Theatre.

Wednesday, October 16

Thalia Trio, 8:30 p.m., Music Bldg. recital hall.
Faculty Women's Club Nostalgia Night, 8:30 p.m., University Auditorium.
Artists Series Film Festival, "The Chaplin Review," Charlie Chaplin, 8:30 p.m., University Auditorium.
University Theatre, "The Seagull," 8 p.m., Pavilion Theatre.
Commonplace Theatre, 8 and 10 p.m., Room 112 Kern. "Torn Curtain."

Thursday, October 17

University Theatre, "The Seagull," 8 p.m., Pavilion Theatre.

Friday, October 18

Folk and Square Dance Roundup, 7:30 p.m., North Gym, White Bldg.
Artists Series, Anthony and Joseph Paratore, duo-pianists, 8:30 p.m., Schwab.
University Theatre, "The Seagull," 8 p.m., Pavilion Theatre.
Commonplace Coffeehouse, 8 p.m., Room 102 Kern.

Saturday, October 19

Sports: Football, vs. Syracuse, 1:30 p.m., Beaver Stadium. Cross country, vs. Pittsburgh. Women's field hockey, vs. Cortland, 10 a.m.
University Theatre, "The Seagull," 8 p.m., Pavilion Theatre.
PSU Symphony Orchestra, 8:30 p.m., University Auditorium.

Sunday, October 20

Chapel Service, 11 a.m., Eisenhower Chapel. Stanley F. Paulson, dean of the College of Liberal Arts.
Colloquy, Dr. Raymond McNally, Dracula and vampire expert, on "In Search of Dracula," 8 p.m., Schwab.
Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

Week of Oct. 21

Monday, October 21

Colloquy, Alan Oken, astrologist, on "The Occult Sciences: Numerology, Astrology and Tarot," 8 p.m., HUB ballroom.
Davis Brooks, violin recital, 8:30 p.m., Music Bldg. recital hall.

Tuesday, October 22

Colloquy, Dr. Raymond Buckland, witchcraft expert and high priest, on "Witchcraft," 8 p.m., Schwab.

Wednesday, October 23

Alard String Quartet, 8:30 p.m., Music Bldg. recital hall.
Commonplace Theatre, 8 and 10 p.m., Room 112 Kern. "High Sierra."

Thursday, October 24

Faculty Women's Club Fall Lecture Series, 9:30-11 a.m., HUB auditorium.
Billiard Congress of America three-day tournament for professionals opens. HUB.

Friday, October 25

Artists Series, New Japan Philharmonic, 8:30 p.m., University Auditorium.
Commonplace Coffeehouse, 8 p.m., Room 102 Kern.

Saturday, October 26

Artists Series, New Japan Philharmonic, 8:30 p.m., University Auditorium.

Sunday, October 27

Chapel Service, 11 a.m., Eisenhower Chapel. The Reverend Ira Reed, Pastor, First Presbyterian Church, Hershey, Pa.
The Brown's, duo-piano team, 3 p.m., Music Bldg. recital hall.
Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

Week of Oct. 28

Monday, October 28

First day for signing NDSL (National Direct Student Loans), SEOG (Supplemental Educational Opportunity Grants), BEOG (Basic Educational Opportunity Program), and University Long Term Loans for Winter Term.
Ante Greenlee, organ recital, 8:30 p.m., Music Bldg. recital hall.
Gamma Pi Epsilon program, 8 p.m., McElwain Hall piano lounge. Dr. Burton B. Hart, speaker.

Tuesday, October 29

Senate Council meeting, 2:10 p.m., Room 101 Kern.
Sports: Women's field hockey, vs. Shippensburg, 2:30 p.m.
College of Earth and Mineral Sciences faculty meeting, 4 p.m., Room 26 Mineral Sciences.

Wednesday, October 30

University Theatre student preview, Surrealistic Theatre Celebration, 8 p.m., Playhouse Theatre.
Raymond Brown, baritone, 8:30 p.m., Music Bldg. recital hall.
Commonplace Theatre, 8 and 10 p.m., Room 112 Kern. "Duck Soup."

Thursday, October 31

Faculty Women's Club Fall Lecture Series, 9:30-11 a.m., HUB auditorium.
Artists Series, Agnes de Mille Heritage Dance Theatre, 8:30 p.m., University Auditorium.
University Theatre, Surrealistic Theatre Celebration, 8 p.m., Playhouse Theatre.

Friday, November 1

Sports: Soccer, vs. Shippensburg, 7 p.m., Jeffrey Field.
Artists Series, Agnes de Mille Heritage Dance Theatre, 8:30 p.m., University Auditorium.
Last day for signing NDSL, SEOG, BEOG, and University Long Term Loans for Fall Term.
Folk and Square Dance Roundup, 7:30 p.m., North Gym, White Bldg.
University Theatre, Surrealistic Theatre Celebration, 8 p.m., Playhouse Theatre.
Commonplace Coffeehouse, 8 p.m., Room 102 Kern.

Saturday, November 2

Sports: Football, vs. Maryland, 1:30 p.m., Beaver Stadium.
University Theatre, Surrealistic Theatre Celebration, 8 p.m., Playhouse Theatre.

Sunday, November 3

Chapel Service, 11 a.m., Music Bldg. recital hall. Pastor, John W. Gavett.
USTFF Championships, Beaver Stadium.
Rebecca Shaw, flute recital, 3 p.m., Music Bldg. recital hall.
Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

Week of Nov. 4

Monday, November 4

Roger Boop, organ recital, 8:30 p.m., Music Bldg. recital hall.

Tuesday, November 5

Alpha Phi Omega bloodmobile, 9 a.m.-5 p.m., HUB ballroom.
Artists Series Film Festival, "Smiles of a Summer Night," Ingmar Bergman, 8:30 p.m., Schwab.
University Theatre, Surrealistic Theatre Celebration, 8 p.m., Playhouse Theatre.

Wednesday, November 6

Alpha Phi Omega bloodmobile, 9 a.m.-5 p.m., HUB ballroom.
University Theatre, Surrealistic Theatre Celebration, 8 p.m., Playhouse Theatre.
University Theatre student preview, "Lemon Sky," 8 p.m., Pavilion Theatre.
Penn State Brass Choral, 8:30 p.m., Music Bldg. recital hall.
Commonplace Theatre, 8 and 10 p.m., Room 112 Kern. "On the Waterfront."

Thursday, November 7

Faculty Women's Club Fall Lecture Luncheon, 12-1:30 p.m.
University Theatre, Surrealistic Theatre Celebration, 8 p.m., Playhouse Theatre.
Surrealistic Concert, 8:30 p.m., Schwab.
University Theatre, "Lemon Sky," 8 p.m., Pavilion Theatre.

Friday, November 8

University Theatre, Surrealistic Theatre Celebration, 8 p.m., Playhouse Theatre.
University Theatre, "Lemon Sky," 8 p.m., Pavilion Theatre.
Commonplace Coffeehouse, 8 p.m., Room 102 Kern.

Saturday, November 9

Artists Series, The Royal Shakespeare Company, "The Hollow Crown," 8:30 p.m., University Auditorium.
University Theatre, Surrealistic Theatre Celebration, 8 p.m., Playhouse Theatre.
University Theatre, "Lemon Sky," 8 p.m., Pavilion Theatre.

Sunday, November 10

Chapel Service, 11 a.m., Eisenhower Chapel. The Reverend Charles L. Coleman, Program Director, Religious Affairs.
Artists Series, The Royal Shakespeare Company, "Pleasure and Repentance," 8:30 p.m., University Auditorium.
Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

Week of Nov. 11

Tuesday, November 12

University Faculty Senate Meeting, 2:10 p.m., Room 112 Kern.
University Theatre, "Lemon Sky," 8 p.m., Pavilion Theatre.

Wednesday, November 13

Artists Series Film Festival, "The Kid" and "The Idle Class," Charlie Chaplin, 8:30 p.m., University Auditorium.
University Theatre, "Lemon Sky," 8 p.m., Pavilion Theatre.

Thursday, November 14

University Theatre, "Lemon Sky," 8 p.m., Pavilion Theatre.

Friday, November 15

Last day for signing Emergency Loans for Fall Term.
University Theatre, "Lemon Sky," 8 p.m., Pavilion Theatre.
Commonplace Coffeehouse, 8 p.m., Room 102 Kern.

Saturday, November 16

Sports: Football, vs. Ohio University, 1:30 p.m., Beaver Stadium.
University Theatre, "Lemon Sky," 8 p.m., Pavilion Theatre.

Week of Nov. 18

Tuesday, November 19

Senate Council meeting, 2:10 p.m., Room 101 Kern.

Thursday, November 21

Residence Halls close for Fall Term, 3 p.m.

Week of Nov. 25

Saturday, November 30

Commencement, 10:30 a.m., Rec. Hall.

Sunday, December 1

Residence Halls open for all students.

Week of Dec. 2

Tuesday, December 3

University Faculty Senate Meeting, 2:10 p.m., Room 112 Kern.

Thursday, December 5

Sports: Women's Basketball tournament, entry open, forms available in Room 109A, White. Coed Volleyball tournament, entry open, forms available in Room 109A, White.

Saturday, December 7

Artists Series, "Don Juan in Hell," play by G. B. Shaw, 8:30 p.m., University Auditorium.

Tuesday, December 10

Sports: Men's Basketball, vs. Bucknell.



Myrna Loy, who stars with Ricardo Montalban in "Don Juan in Hell," on Artists Series Dec. 7.

Committee to seek Altoona director

University President John W. Oswald is establishing an advisory search committee to assist him in identifying candidates for the position of Director of the Altoona Campus.

According to established procedures, the committee will consist of eight members — five faculty members, two administrative personnel, and one student. Of the five faculty members, three will be from the campus involved and will be selected by the President from a panel of six nominated by the Altoona Campus Faculty Senate.

The other two faculty committee members will be from the University Park Campus and will be selected by the President from a panel of four nominated by the Senate Council. The two administrative members appointed by the President will be specifically acquainted with the Commonwealth Campus system.

The student will be the president of the Student Government Association at the Altoona Campus or his/her successor.

President Oswald will designate as chairman one of the three faculty committee members from the Commonwealth Campus.

The special charge to this advisory search committee will be to identify those candidates who can provide the shiest possible academic leadership and competent administration of the Commonwealth Campus. Nominations will be from within and outside the University, and the advisory search committee will receive suggestions and nominations from the faculty and student body, especially from the Commonwealth Campus. In accordance with these procedures, steps are now under way for the appointment of the advisory search committee.

Death

Bozidar P. Vuckovic, associate Allegheny County agricultural agent on the Cooperative Extension Service staff, died August 25 in Pittsburgh. He was 63. A native of Yugoslavia, Mr. Vuckovic had been a member of the Extension Service staff since May 1964. He received a bachelor's degree in agriculture from the University of Zagreb, Yugoslavia, and master of science degree in agronomy from Rutgers University. Prior to being named to the University staff, he was employed six years by Radio Free Europe in New York City and six years by the Croatian Fraternal Union, Pittsburgh.

Leave

Nevin B. Greninger, assistant professor of mathematics at Berks Campus, will spend a year in England, working with the British Bureau of Mines, in research on combustion, coal, mine safety and energy research. The studies are related to the suppression of dust explosions in coal mines.

Appointments

Charles G. Murphy, as reference librarian in Pattee Library. He served as reference librarian at Saint Francis College, Biddford, Me., from 1972 to 1974. A graduate of Notre Dame, with a B.A. in political science, he received an M.S. in library science from Columbia University.

John L. Sibert, as assistant professor of geography. He is a candidate for the Ph.D. in geography at the University of Michigan, received a B.A. in history from Wittenberg University and M.A. from Miami University, Oxford, Ohio. At Michigan, he was a teaching fellow and served as a computer cartographer with the Ann Arbor Community Planning and Management Program.

Dr. Bettina Z. Adelberg, as assistant professor of human development. She is a graduate of Douglass College, New Brunswick, N.J., and received an M.A. in anthropology and Ph.D. in social psychology from the University of Kansas. She has conducted psychological and ecological field work in Micronesia, Jamaica, Alaska and Nevada. She was a research associate and teaching assistant at Kansas.

Dr. George K. Gokel, as assistant professor of chemistry. He has been, for the past two years, a postdoctoral fellow and instructor at U.C.L.A. While earning his Ph.D., he was a N.A.S. Fellow. His undergraduate work was done at Tulane University.

Edward H. T. Lam, as instructor in electrical engineering. He has been an associate engineer with Sperry Systems Management, Great Neck, N.Y. He received bachelor's and master's degrees from Brooklyn Polytechnic Institute, in electrical engineering.

Dr. Jeannie L. Chenuati, as associate professor of art history. A specialist in Italian Baroque sculpture, she has served on faculties of the University of Tennessee and Finch College. A Barnard College graduate, she earned M.A. and Ph.D. degrees at the University of Michigan.

Dr. Richard W. St. Pierre, as assistant professor of health education. He has been instructor at the University of North Carolina for the past six years, receiving

his D. Ed. degree in guidance and counseling. His B.S. in health education was conferred by Ohio State University and M.S. in public health by U.C.L.A. His research has been in the fields of health behavior change related to smoking modification.

Dr. Eliezer Kamen, as professor of applied physiology and ergonomics in the Noll Laboratory for Human Performance Research. He has been associate research professor in the Graduate School of Public Health, University of Pittsburgh, for the past six years and earlier taught and did research at Illinois and at Hebrew University, Jerusalem. He is a graduate of Wingate Institute, Israel, and his advanced degrees, both in zoology, were conferred by Hebrew University. His research has been done in the areas of working physiology, acclimation to heat, and evaluation of heat stress.

Dr. Fred B. Samson, as assistant professor of wildlife management. He was a research assistant, University of Michigan, and wildlife biologist, U.S. Dept. of the Interior National Wildlife Refuge, Necedah, Wis. He has also served as a research biologist, Patuxent Wildlife Research Center, Laurel, Md. His first two degrees were conferred by Indiana University. His Ph.D. in biology was conferred by Utah State University.

Michael A. Keenan as assistant professor of mathematics at the Mont Alto Campus. He received the master of arts degree in mathematics from Penn State in 1969, and in August he was granted the master of arts in statistics and the doctor of philosophy in mathematics. He is a graduate of Virginia Polytechnic State University and has attended George Washington University. He has been a grad-ing assistant in the Department of Mathematics and has served as a statistical consultant for the Pennsylvania Department of Agriculture.

Robert G. Henricks, as instructor in humanities and religious studies. He is a candidate for the doctor of philosophy degree in Chinese language and literature at the University of Wisconsin, where he previously earned a master of arts degree in this field. His bachelor of arts degree in religious studies was conferred by Penn State.

Dr. David S. Berg, as assistant professor of psychology. His previous research on aggression models and food preferences was conducted at Temple University, where he obtained his bachelor of arts, master of arts, and doctor of philosophy degrees, each in psychology.

Michael S. Graboski, as research assistant in the Department of Chemical Engineering. He received the master of science degree in chemical engineering from the University, after receiving the bachelor of science degree in chemical engineering from Rutgers University. He previously served at the University as a research assistant during 1967-1970. He has been a supervising engineer with Bituminous Coal Research, Inc.

Dr. Michael C. Danahy, as assistant professor of French. He holds a master of arts and a doctor of philosophy degree, both in Romance languages, from Princeton University. His bachelor of arts degree in French and philosophy was conferred by Fordham University. He has been an assistant professor at Wesleyan University since 1969.

Calendar Sept. 5-15

(Note: events listed here are in addition to those listed on the Term Calendar on Pages 2 and 3.)

Thursday-Saturday, Sept. 5-7 — Registration, Recreation Bldg.
Friday, Sept. 6 — Microbiology colloquium, 4 p.m., Room 350 Frear. C. Michael Cashe, Laboratory of Molecular Genetics, NIH, on "Synthesis and Degradation of epGp (the magic P) in E. coli."

Thursday, Sept. 12 — Seminar, Meteorology, 3:35 p.m., Room 26 Mineral Sciences. Dean Charles L. Hosler, on "Influence of Man-Made Heat Sources on the Weather."

EXHIBITS

Pattee Library — Central foyer, through September, memorabilia of George Gilbert Park.

Cynthia L. Dard, as instructor in physical education at the Altoona Campus. A graduate of Ithaca College with a bachelor of science degree in physical education, she is completing requirements for the master of science degree in physical education at Penn State. While pursuing graduate studies at University Park, she served as a graduate assistant in physical education, teaching in the basic instruction program.

Dr. Detlef Wotschke, as assistant professor of computer science. A native of West Germany, Dr. Wotschke holds two degrees in mathematics from the University of Braunschweig, West Germany, and the doctor of philosophy from U.C.L.A. His fields of interest include safety against explosion, computer physics, and the advancement of foreign languages. He taught at the University of Braunschweig and was a research assistant at the University of Saarbrücken before coming to the United States. He has been a research assistant and teaching fellow in computer science at U.C.L.A. for the past three years.

Dr. Milton W. Cole, as assistant professor of physics, effective Sept. 1. He earned his bachelor of arts degree in physics from The Johns Hopkins University and his master of science and doctor of philosophy degrees from the University of Chicago. He has held postdoctoral fellowships at the University of Toronto and the University of Washington and will serve as a consultant to the Jet Propulsion Laboratory at California Institute of Technology in September. Dr. Cole's research interests focus on surface physics, low temperature, and statistical mechanics.

Altoona plans music series

The highly successful Altoona Campus Music Makers Series will be continued during 1974-75 with seven concerts by professional performers, all of whom donate their services.

The concerts add financially to a fine arts fund to support the academic aspirations of Altoona Campus students who show talent in the performing arts. The concerts also give promising young artists the opportunity to appear before critical audiences. The seven concerts will be held in either the All-Faith Chapel or the Slep Center lounge on the Altoona Campus.

The program for the year (all are on Sundays at 3 p.m.):

Sept. 8 — Charles Metz, harpsichord, and students playing recorders. Chapel.
Oct. 13 — Claremont Woodwind Ensemble (from University Park), assisted by student organist Kevin Clemens, Chapel.

Nov. 10 — Carol Ramsey, dramatic reading, assisted by students, Chapel.
Dec. 15 — Jaffa Shrine Band, assisted by student vocalists, tenor Sherman Moyer, Slep Lounge.

Feb. 9 — Clarence Fogel and family of musicians, Slep Lounge.

Mar. 16 — The Vicksburg Quartet, with student vocalist Mark Snider, Chapel.
Apr. 13 — Peggy Horner, soprano, with student flutist Dea Horton, Chapel.

Vol. 4, No. 1 September 5, 1974

Penn State INTERCOM is a weekly publication for the academic community of The Pennsylvania State University, published each Thursday when classes are in session. General information and news for the calendar should be sent to the editor by Thursday of the week preceding publication date, Room 312 Old Main.

Editor: W. F. Ackerman Phone 865-7517

Funding Opportunities

Call 865-1372 for more information.

September 5, 1974

(45-1) The National Science Foundation (NSF) is seeking proposals for the 1975 Research References in the Mathematical Sciences (pure and applied mathematics, statistics, computer science, operations research and management science). A guest lecturer should be scheduled and 25 participants enrolled. Inquiries should be directed to the Conference Board of the Mathematical Sciences, 614 Joseph Horner Building, 2100 Pennsylvania Ave., N.W., Washington, D.C. 20037. Proposals should be received by Dec. 1, 1974 and would be distributed to Dr. W. H. K. Pitt, Mathematical Sciences Section, NSF, 1800 G Street, N.W., (Ref. NSF Memo 619/74).

(45-2) Young Grants in the Humanities, a program of NEH, supports student-conducted research. Grants are awarded for research, education, film, and community projects in history, philosophy, language, linguistics, literature, archeology, anthropology, history and criticism, and the humanistic social sciences. Funds may be used for stipends, adviser honoraria, clerical support, travel, supplies and materials, and rental of space and equipment. For information, contact Mr. David Kusin, Program Specialist, Humanities in the Humanities, 800 15th St., N.W., Washington, D.C. 20045. (202-382-8301) (Ref. CFFA 45/19; OIP deadline).

(45-3) Improvements in Humanities teaching is sought by NEH, which also wishes to "demonstrate to all institutions of higher education that important research in the humanities requires long-range planning, program, and development grants will be awarded. Planning funds may be used for released time, training and new personnel. The cap limit is 80% for planning and first-year development. Planning grants for one year average about \$10,000; development grants about \$30,000, and program grants about \$180,000. The next two deadlines are Nov. 1 and March 15. The program contact is Dr. Roger Rosenblatt, Director, Div. of Educ., NEH, 800 15th St., N.W., Washington, D.C. 20045. (202-392-5591) (Ref. CFFA 45/10; OIP deadline).

REMINERS AND DEADLINE OATES
Sept. 15 for NIMH Training Grants Program (Aug. 15, INTERCOM #14:13).
Sept. 1 for NIH/DOH research and resources programs (Aug. 15, INTERCOM #14:4).
Oct. 1 for all of nine FOD Drug research programs (Aug. 8, INTERCOM #14:1).

Staff vacancies

University faculty or staff members who are interested in any of the staff openings listed on this page may apply by calling Employment Division 865-1387 (New York line 4b-1387). Do not contact the area working line. Applications will be accepted until 5:00 p.m., Sept. 18, 1974.

RADIOLOGY EQUIPMENT ENGINEER

Responsible for planning, installing, maintenance, and modification of all X-ray equipment and related electronic equipment for the hospital. Bachelor's degree in Engineering and a minimum plus eight to twelve years related experience.

TRAFFIC AND CONTINUITY SPECIALIST, CONTINUING EDUCATION, DIVISION OF BROADCASTING — University Park, PA.

Responsible for translating the broadcasting station's program schedule into the daily program log, setting forth minute by minute the content of the station's broadcast schedule in accordance with FCC rules and regulations. Bachelor's degree or equivalent in Liberal Arts is desirable. No previous experience as a traffic and continuity specialist is required.

ASSISTANT TO THE DEAN OF STUDENT AFFAIRS

Responsible for the supervision of the Student Center staff and for the development and direction of the activities program. Determines to a large extent the union's goals and standards through election of personnel, guidance given to student committees, and communications with faculty and staff. Master's degree or equivalent in student personnel or related area plus two to four years related experience.

WPXS highlights

John Barrymore, Sr. America's first true motion picture star, "The Beloved Rogue," a 1927 silent film based loosely on the life of 16th century French poet and thief Francois Villon, on "TV French post and thief Francois Villon, on "TV Silent Years." Barrymore's son, John Barrymore, Jr., WPXS-TV, Channel 3. In this version of the Villon legend, the poet becomes a confidant to King Louis IX, but is exiled when he falls in love with a lady of the court. The film is tailor-made for an actor of Barrymore's versatility, giving him the opportunity to display the full range of his talents from swashbuckler to clown to tragedian.

"The Oath Goddess," a modern Japanese opera by Shin-ichiro Ikebe, is featured Monday at 8 p.m. on WPXS-TV. The hour-long opera tells of a woman undertaker who is taught the secret of restoring life to the dead. The only requirement is that he make love to the Oath Goddess each time he restores a life. His happiness is soon ended, however, when he discovers that every person who saves becomes a murderer. The opera is in Japanese with English subtitles.

"TV Quarterbacks" the popular Penn State television series highlights Matty Lion football action, returns to WPXS-TV Wednesday, Sept. 11, 7 p.m. with a special pre-season program. Football will be a filmed introduction to this TV Lion team, starring the team's head coach, a look ahead to the coming season by Coach and a scouting report on Stanford. The feature this season will be filmed by the Lion and the coaching coaches. From Fisher and Jim Terman are co-hosts.

PENN STATE intercom

Volume 4, Number 2

September 12, 1974

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

Kelley invited to Conference on Inflation

Dr. Eugene J. Kelley, dean of the College of Business Administration, has been invited by President Gerald R. Ford to participate in the Conference on Inflation Sept. 27-28 in Washington, D.C.

He was also asked by the President to



Dean Kelley

participate in a meeting of business and manufacturing leaders Sept. 16 in Pittsburgh.

"The Conference on Inflation is a bipartisan national effort to deal with our number one domestic problem," said the President in his invitation.

According to Mr. Ford, participants in the Conference will discuss "the present economic situation, its causes, and the most appropriate policies the Government can adopt."

The meeting of business and manufacturing leaders will be chaired by Frederick B. Dent, Secretary of Commerce.

Dean Kelley, who has served as dean since July 1, 1973, is also research professor of business administration. He is a nationally known leader in the field of marketing, having been named "Marketing Educator of the Year" for 1969 by Sales and Marketing Executives-International. He is the editor of *Foundations of Marketing*, a comprehensive 18-volume series published by Prentice-Hall, Inc.

Porter to give Priestley talks

Nobel laureate Sir George Porter, director and Fulbright Professor of Chemistry, The Royal Institution, London, has been named the 48th Priestley Lecturer at the University and will offer four lectures on "Some Chemical Aspects of Light," Sept. 16 through 19.

The lectures, sponsored by Mu Chapter of Psi Chi, Lambda Upsilon and the academic departments of the University from which the chapter elects its membership, are open to the public free of charge.

The schedule of lectures is as follows: Monday, Sept. 16, at 8 p.m. in Room 108 Forum Bldg., "Joseph Priestley and Some of His Contemporaries;" Tuesday, Sept. 17, at 8 p.m. in 112 Kern Bldg., "Photosynthesis — Past, Present and Future;" Wednesday, Sept. 18, at 8 p.m. in 108 Forum Bldg., "Molecules in Microtime;" and Thursday, Sept. 19, at 3 p.m., in 112 Kern Bldg., "Chemistry of the Excited State."

Dr. Porter is probably best known for his research on fast chemical reactions for which he shared the Nobel Prize in 1967 with Manfred Eigen, and his former teacher at Cambridge, Ronald G. W. Norrish.

(Continued on page 4)

Parking regulations will change Sept. 23

New University Park campus parking and driving regulations for faculty, staff and visitors will go into effect Monday, Sept. 23. They are expected to ease the difficulties faculty and staff members have had at times in finding parking space in their assigned areas.

Essential elements in the new regulations include establishment of "open" parking areas for faculty and staff, designation of certain areas for visitors, and enforcement of the visitor regulations through magistrate's citations.

Regular, full-time faculty and staff members will continue to be issued parking decals (bumper stickers) and assigned to specific parking areas. Should the assigned area be filled, the faculty or staff member may then go to one of the designated "open" areas identified by signs bearing the area designation surrounded by a red triangle. This system eliminates the need to call Campus Patrol when parking in an area other than the one assigned, and it provides a parking flexibility for faculty and staff who regularly travel around the campus.

Visitors will be permitted to park only in certain designated areas between 7 a.m. and 5 p.m. Monday through Friday. These areas will be manned by attendants during that period to assist visitors in finding a parking space.

Present parking decals that are marked "Valid 9-30-74" will remain valid until new serialized decals are distributed, expected to be in November. At that time, a fee structure will be introduced for registering second vehicles for parking privileges. A faculty or staff member will be issued decals for no more than two cars, and only one of those cars may be parked on campus at a time.

If it becomes necessary to drive a car other than one having a decal, the faculty or staff member will have to go to a visitor parking area, tell the attendant he or she is a faculty or staff member, and be issued a special one-day parking permit to be used in any designated "open" faculty-staff area, which may be different from the assigned lot.

The parking problem on campus has been aggravated in the past by the parking of visitors and other unregistered vehicles. The new regulations are designed to control visitor parking. This control necessitates a mechanism by which violators can be prosecuted.

"The magistrate's citation system is really the only legal recourse open to the University," says R. E. Zilly, vice president for business. "With the help of all departments and divisions, as well as individual faculty or staff members, we hope to inform the public adequately concerning

these regulations so that no visitor will be embarrassed by having to answer a magistrate's citation.

"At each campus entrance, at key intersections, and at certain parking areas, there will be easily discernible signs directing visitors to the parking areas available to them.

"Departments will be provided with information and maps to be distributed to potential visitors explaining the rules and indicating the locations of visitor areas."

Special provisions are being made for representatives of firms doing business regularly with the University. Departments will be advised of these rules and will be provided with information to pass along to vendors or others who provide service to the University.

Violations of the rules by faculty and staff members ordinarily will be subject to penalties imposed by the University. However, vehicles without parking decals or permits, even if owned by faculty, staff or students, will be considered as visitor vehicles. If such vehicles are parked in violation of the University's rules, the faculty or staff member or student will be subject to a magistrate's citation.

Vehicles with decals or permits will not be permitted to park in visitor parking areas, unless authorized by a member of

(Continued on page 4)

Crucial year for Senate, Dr. Snyder says

Helen Snyder is considering offering a new course in the dangers of probability models.

It was an area about which she thought she knew something before she was elected chairman of the University Senate.

"I wasn't terribly eager to take on the workload that goes with being chairman," she says, "but after serving on the governance committee, I thought someone from that group should be on the slate of officers. Otherwise it would look like the cooks were unwilling to taste their own food."

"I've worked with mathematical models for years, and the odds against the Senate electing its first woman chairman seemed great enough — especially when combined with the various blocs supporting other candidates — that I had no fear of being elected. I was surprised!"

Surprised or not, Dr. Snyder has approached her job with an attitude of urgency.

"I don't intend to be melodramatic, but I believe this year will show once and for all whether or not the Senate is a viable organization for shared governance," she explains. "Those of us who served on the governance committee last spring felt a strong sense of urgency after hearing the testimony presented to us."

A member of the faculty since 1958, Dr. Snyder has had some 14 years of Senate service, including a stint as secretary in 1968-69. But certainly her most intensive experience was working with the Senate Select Committee on Faculty Participation in University Governance. The eight-member committee, which was appointed by President Oswald and then-Senate chairman Ernest L. Bergman, emerged with 35 specific recommendations. Their general



Dr. Snyder — fabled by the odds.

intent was to propose that faculty members participate in all policymaking elements of University life and that the role of the Senate in governance be strengthened. Dr. Snyder has named a 10-member steering committee, with herself as chairman, to facilitate action on the recommendations.

"The Senate must show itself responsive to faculty grievances," she continues, "in order for the faculty to perceive it as a genuine alternative. That's not to say that I think the Senate is in any way fighting for its life if the faculty should decide on unionization. It may change, but it won't die."

"On the other hand, the Senate has allowed its credibility to be eroded, and it has lost contact with some of its constituencies. There has also been criticism from the faculty that it is a creature exist-

ing at the whim of the Trustees who can gut it at any time. It's true that the Board has the ultimate legal authority for the entire University. All the Colleges exist at its sufferance. However, I don't think the Trustees are likely to abolish the Colleges, or, for that matter, the Senate."

"It's my opinion that the central administration is sincerely interested now in dealing with the Senate, although we may have disagreements about how to proceed. It's a cliché, but both sides are going to have to compromise."

"Our 35 recommendations weren't written in stone. We may wind up with 36, or there may only be 20. The Steering Committee's job is to study the implications of these recommendations, allowing for ample deliberation. The Joint Committee didn't

(Continued on page 2)

Larson to head transit group a fifth year

Dr. Thomas D. Larson has been re-designated chairman of the State Transportation Advisory Committee for the coming year by Gov. Milton J. Shapp.

A professor of civil engineering and di-



Dr. Larson

rector of Penn State's Pennsylvania Transportation Institute, Dr. Larson was appointed to the committee in 1969 by Gov. Raymond P. Shafer as its first — and only — chairman.

The Transportation Advisory Committee has 30 members, including 8 cabinet officers, 4 legislators, and 18 citizens chosen for their interest and knowledge of Pennsylvania transportation affairs. It meets four times yearly and advises the Secretary of PennDOT and the Pennsylvania Transportation Commission on a wide variety of problems.

A member of the faculty since 1957, Dr. Larson earned his B.S., M.S. and Ph.D. in civil engineering at the University. He has done extensive research in the field of concrete, studying volume stability of aggregates and also durability of concrete bridge decks.

Service credit for retirement being processed

Although all requests from University employees to add time spent in military service to their retirement credit have been processed by the University, many people have not received any acknowledgment of their petitions from the State retirement board.

The Employee Benefits Division notes that there is no reason for alarm. The board is currently working on a backlog of nearly 5,000 requests, and delays of five months in processing are not uncommon there.

Under Act 31, which became effective last March 1, several changes were made in the State Employees' Retirement Act, one of which allows retirement credit for military service.

The processing delays will not result in any additional cost to persons seeking to pick up new credit, according to Employee Benefits.

Crucial year—

(Continued from page 1)

have time to do more than scratch the surface. Too often things get introduced into the Senate, go into the pipeline and are passed. They affect the entire faculty, but the faculty never had any real input. That's what we want to avoid."

Dr. Snyder is an associate professor of educational psychology and for the last two years has also served as acting assistant dean for resident education in her College. She will give up the second job at the end of summer term, which will allow her time to devote herself to what she considers one of her most important tasks as Senate chairman — accurately determining the sentiments of the Commonwealth Campus.

"I'm going to visit each Campus this fall," she says, "to talk to them about what they want in the way of delegated authority and what they understand by 'shared governance.'"

"The Campuses are not a monolithic organization and shouldn't be lumped together. The only way I know to get a feel for what they really want is to go out there

Death

Dr. Arnold J. Currier, who retired in 1955 as professor emeritus of chemistry, died Aug. 23 in Manchester, N.Y.; he was born in 1892 in Georgetown, N.Y., and was living in Lancaster, Pa., at the time of his death. A graduate of Colgate University, he was granted an M.S. by Penn State in 1921 and a Ph.D. by Cornell University in 1923. He taught science in high school from 1915 to 1917, and two years later was named instructor in chemistry by Penn State. In 1924 he was promoted to assistant professor, becoming an associate professor in 1931 and a professor in 1950. During World War I, he served in the U.S. Army Ordnance Department, assigned to the general chemistry company.

In writing

Following on the increased interest of Americans in their ethnic roots, a new book, "On Being Jewish: American Jewish Writers from Cahan to Bellow," which was edited by Daniel Walden, associate professor of American studies.

Published by Fawcett, the paperback is divided into four sections, beginning with the experiences portrayed by Jewish im-

migrants and then turning to the beginning of the century when writers such as Abraham Cahan and Mary Antin mirrored the tensions inherent in the transition from the European religious tradition to the materialistic new world.

A second generation of writers, including Ludwig Lewisohn, Henry Roth and Robert Nathan had to reconcile the desire for Americanization with their Jewishness. Then in the 1930s and 1940s, the shock of the Nazis' mass exterminations resounded in the work of Ben Hecht and Maxwell Bodenheim.

The concluding section deals with writers such as Arthur Miller, Bernard Malamud, Philip Roth and Saul Bellow, who are indisputably American yet also intensely aware of the ages-long past of their people.

Dr. Walden previously co-edited the anthology "On Being Black" and also edited "W.E.B. DuBois, The Crisis Writings."

Appointments

Dr. Robert A. Arlew, an assistant professor of French. A native of Egypt, his B.A., M.A. and Ph.D., all in French, were granted by the University of Illinois. His research is on computer applications in teaching French language, culture and

literature and on the use of computers for literary analysis.

Dr. Roland E. Fleischer, as professor of art history. A specialist in Northern Renaissance and Baroque art, he was a faculty member at George Washington University from 1956 to the present. He holds a B.A. from Western Maryland College and an M.A. and Ph.D. from The Johns Hopkins University.

Stuart J. Glogoff, as reference librarian. He has B.A. and M.A. degrees from the University of Cincinnati and an M.L.S. from Indiana University, with whose library he has been associated.

Leigh S. Shaffer, as assistant professor of psychology. A candidate for a Ph.D. in psychology from Penn State, he earned B.A. and M.A. degrees in psychology at Wichita State University.

Floyd F. Trunzo, as instructor in human development. He is completing requirements for an M.S. in ecology at Penn State, where he obtained a B.S. in zoology. He will serve as coordinator of academic services in the Division of Man-Environment Relations.

Eugene R. White, as instructor in speech communication at Mont Alto. His B.S. was granted by Penn State and his M.A. in speech by Indiana University.

Treasurer must accept all gifts

Government, corporation and Internal Revenue Service requirements make it necessary that all contracts, gifts or grants for Penn State be accepted formally by University Treasurer Robert A. Patterson in order to avoid potential legal and tax problems.

This does not, however, preclude personal notes of acknowledgment or thanks from affected faculty and administrators, Mr. Patterson points out, and they are, in fact, encouraged.

Formal acceptance of contracts, gifts and grants is a function that is performed in the office of William F. Christoffers, vice president for fiscal affairs and assistant treasurer. The appropriate channels to be used before formal acceptance is made are:

—In the case of a gift, grant, contract, letter of agreement, etc., which deals with a research, instruction or continuing education project, refer to the publication, "Policy and Procedure in Research" for established procedures.

—Miscellaneous agreements or entertainment contracts such as the Artists Series, athletic events or Associate Student Activities should be referred to the Controller's Office for processing.

—Other gifts to departments, faculty and staff should be sent directly to the Office of Gifts and Endowments (the former Penn State Foundation), or completed Form G I. 46 may be forwarded to that office.

Any additional questions may be referred to Mr. Christoffers.

in person and talk to the faculty at each one of them."

During her years at Penn State, Dr. Snyder has had plenty of opportunities to groom herself for her present job. Name a committee of her College, and she has probably served on it, either as a member or as chairman. In addition, she spent one year as acting administrator for her department and was associate director of the State College branch of the Appalachian Educational Laboratory.

"I think the most complicated thing I ever undertook was to serve as coordinator and synthesizer of undergraduate program review in the College of Education," she notes. "My report ran about 1,000 pages, and I'm afraid it stirred up a lot of people."

Dr. Snyder came to Penn State from the University of Illinois, after earning her doctorate in educational psychology. Her master's degree in social studies was conferred by Colorado State College, where she enrolled after obtaining two degrees in social studies from Kansas State Teachers College. The latter institution is located in her hometown of Emporia.

"I found an obscure rule that made it possible to juggle credits so that a stu-

English 3 pilot program now underway

The Department of English will institute an English 3 pilot program beginning in the fall term and continuing for one year.

During fall term, a total of 15 sections at 5 different campuses are being taught. In the winter term, 5 additional campuses will be involved in the pilot.

The program was proposed to the English Department by the Inter-Campus Committee on English and is being developed under the direction of a sub-committee of Commonwealth Campus faculty members in cooperation with James F. Holahan, director of freshmen composition.

The Sub-Committee is chaired by Dennis F. Brestensky (Fayette). Other members are: Mary Heider (Berks), Ray Kearney (Berks), Pat Rivett (Schuylkill), Lawrence Suth (Hazleton), and John Timplin (Shenango). Consultants are: Robert Gillingham (Fayette) and Evelyn Hovanec (Fayette). Assisting the committee with course evaluation instruments is Frank Dwyer from University Division of Instructional Services.

According to Professor Brestensky, the pilot program is "based on the principle of investigative writing in response to some problem of the human condition. We believe that the development of problem-solving investigative writing skills is relevant and practical for every student regardless of major and College. Furthermore, the ability to investigate problems and to articulate the findings in writing is an essential characteristic of a responsible, self-reliant, self-directed learner."

Dr. Snyder recalls: "My sister and I confronted the President with our disapproval, and he agreed it could be done. I still remember him saying as I marched across the stage for a second time, 'Helen, you're getting your money's worth today.'"

All told, Dr. Snyder had some 13 years of public school teaching and counseling experience prior to becoming a university faculty member. At Penn State, she teaches graduate courses in learning with particular emphasis on contemporary learning models and also a research methods course. She is the author of a book, "Contemporary Educational Psychology: Some Models Applied to the School Setting."

When her activities allow her time, she enjoys sewing, reading and playing the piano. Her history library is almost as large as her collection of books in psychology.

She is not a person to be stampeded easily. Summing up her present direction, she says:

"I have some faculty on the left charged because I'm not moving fast enough and some administrators on the right charged because I'm moving too fast. I figure I must be about on course."

A special feature of the course will be the use of a unifying theme that will concern itself with some fundamental problem of the human condition. For the fall term, instructors will have the choice of one of three unifying themes: The American Character, The Responsible Man, or The Future.

The primary purpose of each unifying theme is Professor Brestensky explains, "to provide a body of knowledge (facts and imaginative) for frequent writing assignments that are investigative and related to a problem. The unifying theme and tasks are not ends in themselves; instead, they are only means of stimuli for generating excitement about and interest in writing assignments. The ultimate worth of each section of English 3 will be determined by how well a student has mastered the writing of problem-based investigative papers."

In addition to learning the rhetorical principles and processes of problem-solving writing, students will learn the basic skills of library usage and the techniques of note-taking, documentation and bibliography.

Professor Brestensky concludes: "The proposed English 3 is designed to be a natural, logical outgrowth of English 1. To define, validate, analyze, evaluate and solve a problem, a student will need to transfer his English 1 knowledge of validity, meaning, value and policy to his English 3 writing assignments."

"The existing purpose of the course—the writing of ideas and the writing of essays with related judgments—the writing of essays assembled—is basically unchanged. When writing about a problem, a student will make judgments from evidence assembled about the problem's existence, significance, causes, issues and solutions. However, what the course now provides is a clearly defined writing skill — investigative writing — from a clearly defined rhetorical stance — problem-solving."

Football parking

A new parking designation plan will be in effect for the 1974 home football season at Beaver Stadium.

It calls for two-color parking areas, replacing the four-color system utilized in the past. Yellow parking areas have been set aside for priority parking. Orange areas are for fans who have pre-paid parking.

Parking also will be available at a cost of \$1.00 for those who don't have pre-paid parking.

An earlier starting time for the one-way traffic pattern near the stadium, instituted two years ago because of an increase in seating capacity, will continue this year.

The one-way traffic patterns on Park Avenue and University Drive will go into effect at 10 a.m. on football Saturdays. Details on the traffic patterns and suggestions for those driving to the stadium will be issued prior to the Stanford game.

University Park Calendar

September 12-22, 1974

Items to be included in this calendar should be sent to the editor, Room 312 Old Main, by Thursday of the week preceding publication.

SPECIAL EVENTS

Thursday, September 12 — Seminar on the use of Serials Holdings List, 7 p.m., Room W106 Pattee Undergraduate Library.

Thursday-Friday, September 12-13 — Library orientation for faculty, 9:35 a.m. and 2:20 p.m., Room E105 East Pattee.

Friday, September 13 — Sports: Soccer, vs. East Stroudsburg, 7 p.m., Jeffrey Field. Freshman football, vs. Milford Academy, 3 p.m., Beaver Stadium.

Friday, September 13 — Arnold Air Society jammy, 8 p.m., HUB ballroom.

Friday, September 13 — Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

Saturday, September 14 — Sports: Football, vs. Stanford, 1:30 p.m., Beaver Stadium.

Saturday, September 14 — Baha'i Club, 7 p.m., HUB assembly room. Social event.

Sunday, September 15 — Artists Series, New York Brass Quintet, 8:30 p.m., Schwab.

Sunday, September 15 — Chapel Service, 11 a.m., Eisenhower Chapel. The Reverend Charles Coleman, Program Director, Religious Affairs.

Sunday, September 15 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

Monday, September 16 — Entry close for Coed Football tournament.

Monday, September 16 — Gamma Pi Epsilon program, film, "Biology of a Cancer," 8 p.m., HUB assembly room.

Monday-Friday, September 16-20 — Library orientation for faculty, 9:35 a.m. and 2:20 p.m., Room E104 East Pattee.

Tuesday, September 17 — Deadline for entries in Tough Football and Tennis singles, 4:30 p.m., Room 206 Rec Hall.

Wednesday, September 18 — Mary Roens, violin recital, 8:30 p.m., Music Bldg, recital hall.

Wednesday, September 18 — Sports: Soccer, vs. West Virginia, 7 p.m., Jeffrey Field.

Wednesday, September 18 — Artists Series Film Festival, "Modern Times," Charlie Chaplin, 8:30 p.m., University Auditorium.

Wednesday, September 18 — Returning Women Students, 7:30 p.m., Eisenhower Chapel lounge. Panel discussion on the problems of women returning to college.

Friday, September 20 — Sports: Freshman football, vs. Villanova, 3 p.m., Beaver Stadium.

Friday, September 20 — Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

Saturday, September 21 — Sports: football, vs. Navy, 1:30 p.m., Beaver Stadium. Women's golf, vs. Madison College, 10 a.m.

Sunday, September 22 — Chapel Service, 11 a.m., Music Bldg, recital hall. Captain John O'Connor, Chaplain United States Naval Academy.

Sunday, September 22 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

LECTURES

Monday, September 16 — Priestley Lecture, 8 p.m., Room 108 Forum. Sir George Porter, Nobel laureate from The Royal Institution, London, on "Joseph Priestley and Some of His Contemporaries."

Tuesday, September 17 — Priestley Lecture, 8 p.m., 112 Kern. Sir George Porter, on "Photosynthesis — Past, Present and Future."

Wednesday, September 18 — Priestley Lecture, 8 p.m., 108 Forum. Sir George Porter, on "Molecules in Microtime."

Thursday, September 19 — Priestley Lecture, 3 p.m., 112 Kern. Sir George Porter, on "Chemistry of the Excited State."

SEMINARS

Thursday, September 12 — Physics, 3:45 p.m., Room 117 Osmond. L. Esaki, Nobel Laureate, IBM Watson Research Center, Yorktown Heights, N.Y., on "Novel Tunneling."

Thursday, September 12 — Meteorology, 3:55 p.m., Room 26 Mineral Sciences. Dean Charles Hosler, on "Influence of Man-Made Heat Sources on the Weather."

Thursday, September 12 — Agronomy, 3:45 p.m., Room 301 Ag. Adm. Jim Eakin, Agronomy Extension, on "The Andros Forage and Livestock Production Research."

Friday, September 13 — Ceramics, 11 a.m., Room 301 Mineral Industries. Roger W. Haskell, The Watervliet Arsenal, Water-

vliet, N.Y., on "Chemical Vapor Deposition (CVD) — Theory and Practice."

Monday-Tuesday, September 16-17 — Biochemistry, 11 a.m., Room 101 Alt-house. Edward C. Heath, University of Pittsburgh, on "The Role of Complex Carbohydrates in the Organization and Function of Bacterial Cell Envelopes;" "The Role of Monosaccharide and Oligosaccharide-Dolicol Derivatives in Glycoprotein Biosynthesis."

Tuesday, September 17 — Air Pollution Control, 2:20 p.m., Room 140 Fenske. Gerald A. Regan, U.S. Environmental Hygiene Agency, Air Pollution Engineering Division, Aberdeen Proving Ground, Md., on "Analysis of Five Years of Air Quality Data Taken in the Vicinity of a TNT Manufacturing Plant."

Thursday, September 19 — Agronomy, 3:45

p.m., Room 301 Ag. Adm. John Washko and John Shenk on "Russian Forage Production and Quality Research."

Thursday, September 19 — Chemistry, 12:45 p.m., Room 333 Whitmore. Tobin T. Marks, Northwestern University, on "New Developments in Organosaccharide Chemistry."

Thursday, September 19 — Environmental Problem Solving, 8 p.m., Room 105 Forum. Charles Eastman, Carnegie-Mellon University.

Thursday, September 19 — Physics, 3:45 p.m., Room 117 Osmond. Peter Bergmann, Syracuse and Yeshiva Universities, on "General Relativity on Quantization."

Thursday, September 19 — Meteorology, 3:55 p.m., Room 26 Mineral Sciences. Elliot Abrams on "Numerical Progs: Boon . . . and Bust."

MEETINGS

Monday, September 16 — OTIS, 6:30 p.m., Room 203 HUB.

Monday, September 16 — Angel Flight and Arnold Air Society, 7:15 p.m., Room 104 and 105 Wagner.

Tuesday, September 17 — Senate Council, 2:10 p.m., Room 107 Kern.

Thursday, September 19 — Penn State University Squadron 1303 CAP, 7:30 p.m., Room 104 Wagner.

OFFICIAL

Thursday-Saturday, September 12-21 — Preregistration for Winter Term.

Thursday-Saturday, September 12-21 — File for Repeat Course.

Wednesday, September 18 — Deadline for filing Course Adds.

EXHIBITS

Museum of Art — Manayunk and Other Places: Francis Speight's paintings and drawings, Galleries A and C. Selections from the permanent collection, Gallery B. Free public tours Thursdays, 1:30 p.m.

Sackett Gallery — "Light," a show of architecture student work, through Sept. 24.

Chambers Gallery — Pennsylvania Guild of Craftsmen, crafts, through Sept. 26. Jeanne Stevens-Sollman, drawings and ceramics, opening Sept. 27.

Kern Gallery — Marsha and Ralph Kaleshski, paintings, through Sept. 28. Bob and Susan Duncan, oil paintings, opening Sept. 29.

Hammond Gallery — Architectural Engineering Student Projects Exhibition, through Sept. 29.

Pattee Library — Central foyer, through Sept., memorabilia of George Gilbert Pond.

FILM

Wednesday, September 18 — Commonsplace Theatre, "The Fly," 8 and 10 p.m., Room 112 Kern.



"Box Holder" by Francis Speight, painted in 1937, is one of the paintings now on display in the exhibit, Manayunk and Other Places, currently being shown in Galleries A and C of the Museum of Art.

HUB specials

Sunday, Sept. 15 — dinner, roast turkey w/drf, \$1.60; supper, spaghetti, \$1.17.

Monday, Sept. 16 — lunch, blueberry fritters w/bacon, \$.90; dinner, Chinese pepper steak w/lettuce, \$1.09.

Tuesday, Sept. 17 — lunch, Golumbki, \$.95; dinner, chicken, 4 waffles, \$1.35.

Wednesday, Sept. 18 — lunch, Coney Island franks, \$.85; dinner, noodle goulash, \$.90.

Thursday, Sept. 19 — lunch, lasagne, \$1.22; dinner, French meatloaf, \$.99.

Friday, Sept. 20 — lunch, turn-over w/parley sauce, \$1.07; dinner, French fried clams w/lettuce sauce, \$1.24.

Saturday, Sept. 21 — lunch, chili, \$.64; dinner, chicken steak Maryland w/cranberry sauce, \$1.24.

Monday-Friday daily lunch special — soup, chef's bowl, roll, butter, beverage, \$1.03.

Season tickets

A few season tickets are still available for the Artists Series. Subscriptions for the Fine Arts Series will be on sale until the concert next Sunday and those for the Music Series may be purchased through noon on Sept. 21. Tickets for the Film Series may be bought at any time. The Theatre-Dance Series is sold out.

Ticket vouchers may be obtained at the University Auditorium or the HUB Booth from 9 a.m. to 4 p.m., Monday through Friday; Saturday, from 10 a.m. to noon. Tickets may also be purchased at 203 Schwab.



Quintet includes: Left to right, Robert Nagel, Arlan Oesh, Paul Ingraham, John Swallow and Thompson Hanks.

Brass Quintet plays Sept. 15

The New York Brass Quintet opens the Fine Arts Series of The Artists Series Sunday, Sept. 15, at 8:30 p.m. in Schwab Auditorium.

Tickets, if available, will be sold at the HUB booth and University Auditorium from 9 a.m. to 4 p.m. through Friday and from 10 a.m. to noon on Saturday. For students, single tickets cost \$10.00 and \$15.00; for non-students, \$15.00 and \$25.00.

The story of brass chamber music as a modern concert attraction began 17 years ago with the formation of the Quintet. Its members are Robert Nagel and Allan Dean, trumpets; Paul Ingraham, French horn; John Swallow, trombone; and Thompson Hanks, tuba.

Their program includes Three Pieces by Anthony Holborne; Contrapunctus No. 1

(from "Art of the Fugue") by Johann Sebastian Bach; Quartet No. 4 in A flat major by Wilhelm Rasmose; Quintet, Opus 73 by Malcolm Arnold; Trio for Horn, Trumpet and Trombone by Jean Louel; Music for Brass Quintet by Gunther Schuller; and Sonatine by Eugene Bozza.

The last four works are by contemporary composers. Arnold wrote his score especially for The New York Brass Quintet. Louel's piece is perhaps the most difficult and yet the most brilliant work in the brass trio repertoire, and the Quintet played it for the first time during their 1973-74 concert season.

Gunther Schuller wrote his score on commission for the Gertrude Clerk Whitall Foundation for performance by the Quintet in the Library of Congress.

Priestley—

(Continued from page 1)

Dr. Porter has been director of the Royal Institution since 1967. Previously, he was professor and director of the department of chemistry at the University of Sheffield, England. In 1961, he served as visiting lecturer in chemistry at Penn State.

The Priestley Lectures were established in 1926 through the initiative of the late Professor Wheeler P. Davey in honor of Joseph Priestley. Priestley's home in Northumberland, Pa., was the scene last summer of ceremonies to mark the dual anniversary of the pioneer chemist's discovery of oxygen on Aug. 1, 1774, and of U.S. national chemical history on Aug. 1, 1874. The celebration was hosted by Penn State's Department of Chemistry.

Women's sports

A daily noon hour physical activity program, designed to meet the needs and interests of women faculty and staff, will be offered in White Bldg. this year.

A wide variety of activities, including games, water sports and physical fitness exercises, will be scheduled during the noon to 1 p.m. sessions, with actual activity time set for 12:15 to 12:45 p.m.

The program is limited to a maximum of 30 individuals who will be accepted on a first-come, first-served basis. Each participant must obtain medical clearance from her personal physician prior to the program. If they come to the University Park campus with a car not bearing such a decal, they must go to one of the visitors areas, explain their situation to the attendant, and receive a one-day parking permit for an open area.

Payment of penalties or appeals of violations, for faculty and staff members, will now be made on the ticket issued instead of waiting for a billing, as heretofore. A faculty or staff member who has 72 hours to pay the penalty or appeal the violation. The progressive penalty system for traffic and parking violations will be eliminated. A schedule of parking and traffic penalties appears in the new Parking Rules, Regulations and Information.

Parking chairmen have been provided with sufficient copies of regulations and maps to distribute to all those who have registered cars. If you have not received a copy, see your parking chairman immediately.

Parking—

(Continued from page 1)

the Department of University Safety, between 7 a.m. and 5 p.m., Monday through Friday.

Loading and unloading provisions of previous regulations have also been changed somewhat. A floating permit may be used for loading and unloading in designated loading zones if the vehicle's emergency flashers are operating and loading or unloading is actually taking place, with a 15-minute limit.

Faculty and staff members at campuses, offices or stations other than University Park may make use of the open faculty and staff parking areas. If they come to the University Park campus with a car not bearing such a decal, they must go to one of the visitors areas, explain their situation to the attendant, and receive a one-day parking permit for an open area.

Payment of penalties or appeals of violations, for faculty and staff members, will now be made on the ticket issued instead of waiting for a billing, as heretofore. A faculty or staff member who has 72 hours to pay the penalty or appeal the violation. The progressive penalty system for traffic and parking violations will be eliminated. A schedule of parking and traffic penalties appears in the new Parking Rules, Regulations and Information.

Meeting open

The Board of Trustees voted on July 19 to open its meetings to the public.

In keeping with this action, it will hold its first open meeting at 2 p.m. Friday, Sept. 20, in Room 403, J. Ovis Keller Bldg.

The meeting room will accommodate approximately 75 visitors, including a press section, and will be open at 1:30 p.m. on a first-come, first-served basis until all seats are filled.

Agendas for the Board meeting will be available at the door.

Standing and other committees of the Board of Trustees are not authorized to take action on behalf of the full Board, and as such their meetings are working sessions not open to the public.

Funding opportunities

Call 865-1372 for more information.

Sept. 5, 1974

(146-1) Vocational education will receive a boost from the Child Abuse Training, which has issued regulations for "Research and Training, Exemplary Projects and Curriculum Development." Research and Training includes demonstration and dissemination of new vocational education curricula and development of new careers and occupations. Exemplary projects include student summer work, occupational guidance, improved curricula, and personnel exchanges. Curriculum development programs include development of standards, surveys, evaluations and training. These materials have been distributed (Ref. 39FR32951, 8/17/74).

(146-2) Cooperative microbiological research with Russian scientists will be funded by the National Science Foundation (NSF). NSF is interested in Technology for production of food and food proteins by microbial means, RAO for computerized simulation, design and control of processes for microbial technology, molecular biology of industrial micro-organisms, development of ways to produce and apply enzymes for industrial and analytical goals, and microbial control of pests in agriculture. Proposals should be submitted to: Joshua L. Leise, Senior Staff Associate, OAO/R, NSF, Washington, O.C. 20505.

(146-3) Preventing child abuse and neglect and establishing sound treatment programs is the purpose of the Office of Child Development, which will fund research and training projects under a newly formed National Center on Child Abuse and Neglect. Proposals should be submitted to: NSF, Washington, O.C. 20505.

(146-4) The 1975-76 Program for U.S.-France Exchange of Scientists has a Nov. 1, 1974, deadline date. About 15 awards will be made. Copies of the announcement are available.

(146-5) The National Endowment for the Arts (NEA) has published guidelines for \$6,000 fellowships for creative writers under the NEA Literature Program. NEA announces a Sept. 1, 1975, deadline; applications will be accepted Jan. 1, 1975. Contact Leonard Randolph, Director, Literature Program, NEA, Washington, O.C. 20505 (202-634-0441) for information and application forms. The guidelines have been distributed (Ref. 39FR30991, 3/27/74).

(146-6) The Office of Education has announced on Oct. 8, 1974, received date for non-compulsory contributions under its Right to Read School Used Books Program. There will be no new awards under this program. (Ref. 39FR31339, 9/3/74).

(146-7) Regulations for Grants for Training in Emergency Medical Services have been issued by the Public Health Service. Eligible are schools of medicine and nursing, training centers for allied health professionals, and organizations which deliver emergency medical services and offer the clinical experience appropriate to the proposed training. The regulations have been distributed. (Ref. 39FR29045, 8/27/74).

REMINDERS AND DEADLINE DATES
Oct. 1 for NIH/ORG research and resources programs (Aug. 15 INTERCOM 214-24) . . . Oct. 1 or Oct. 1 for nine Food & Drug research programs (Aug. 20 INTERCOM 214-24) . . . Oct. 1 for NEH Education planning, program, and development grants (Sept. 5 INTERCOM 214-53) . . . Nov. 15 and April 1 for NEH Youth grants in the Humanities (Sept. 5 INTERCOM 214-53) . . . Nov. 15 for NSF Scientists and Engineers in Economic Development Program (Aug. 22 INTERCOM 214-32).

Staff vacancies

University faculty or staff members who are interested in any of the staff exempt or staff non-exempt jobs listed below, apply by e-mail: Employment Office 865-1387 (Network Line 475-1387). Do not contact the hiree having the vacancy. Applications will be accepted until: 5:00 p.m., Sept. 19, 1974.

RADIOLOGY EQUIPMENT ENGINEER
Hershey Medical Center
Responsible for planning, installing, maintenance, and modification of all X-ray equipment and related electronic equipment for the hospital. Bachelor's degree in Engineering or equivalent plus eight to twelve years related experience.

TRAFFIC AND CONTINUITY SPECIALIST,
CONTINUING EDUCATION, DIVISION OF
BROADCASTING — University Park
Responsible for translating the broadcasting station's program schedule into the daily program log, setting up minutes by hour for the content of the station's broadcast day in accordance with FCC rules and regulations. Bachelor's degree or equivalent in Liberal Arts is desirable. No previous experience as a traffic and continuity specialist is required.

ASSISTANT TO THE DEAN OF STUDENT AFFAIRS — Behrend College
Responsible for the supervision of the Behrend College Union. Participates in the planning and direction of the activities program. Coordinates to a large extent the union's goals and standards through selection of personnel, guidance



Dr. De Leive

New offering set at Exeter

A new Foreign Studies Program has been developed with the University of Exeter, England, to be initiated during the spring term, 1975.

A general studies program open to students in all colleges, the Exeter study term is intended to provide students with the opportunity to examine the political, economic and social conditions and problems of Europe today, with particular emphasis on conditions in England.

Courses to be offered in the 10-week term include Economics 499 (British economic trends, industry and labor, the Welfare State, international economic relations); Political Science 499; and either Sociology 499 or Human Development 400. Prerequisites are 18 credits in the social sciences and three other credits in modern European history.

Currently, Penn State has 13 Foreign Studies Programs, six general studies and seven specialized. They are offered in France, Germany, Spain, England, Italy, Portugal, Norway, Mexico, Peru and Panama Canal Zone. In the winter term, 1975, a new specialized program in business administration will be inaugurated in Lima, Peru.

Initiated in 1962, Foreign Studies Programs, directed by Dr. Dagobert De Leive, will have enrolled more than 2,200 Penn State students by the end of the 1974-75 academic year.

WPSX highlights, Sept. 16-23

"The emotional, spiritual and physical crisis that confronts many middle-aged men in America is the subject of 'Male Menopause: The Pause that Perplexes,' an hour-long 'Special of the Week' presentation Monday, Sept. 16, at 8 p.m. on Channel 3. Hosted by actor William Windom and featuring comedienne Anna Maria and folksinger Oscar Brand, uses comedy, dramatic vignettes and documentary segments to explore the myths and realities of male menopause."

"The 'Title IX' could affect sports programs around the country. The discussion is on 'Talkback' Monday at 10 p.m. on WPSX-TV. Featured are host Fran Fisher, Dr. Robert Scannell of the College of Health, Physical Education, and Recreation at Penn State; and Dell Durant, assistant athletic director for the College. The discussion centers around how the controversy will affect sports programs around the country."

"America: Alistair Cooke's Emmy-winning personal view of American history, comes to WPSX-TV beginning Tuesday, Sept. 17, at 8 p.m. The series, being broadcast nationally over the Public Broadcasting Service, has been rescheduled into 26 half-hour programs. Tuesday's program looks at early exploration of America, with a focus on the West. The program is part of the In-School service of the Allegheny Educational Broadcast Council on WPSX-TV at 10:30 a.m. beginning Sept. 23.

Filmed highlights of the Penn State-Stanford games are featured on "TV Quarterbacks" Wednesday, Sept. 18, at 10 p.m. on Channel 3. Hosted by Pat Patterson, the program features interviews with Penn State team members, a scout's report on Navy, and a look at the work of an assistant coach, Fran Fisher and Jim Tarmann co-host.

given to student committees, and communications with faculty and staff. Master's degree or equivalent in student personnel or related area plus two to four years related experience.

ELECTRON MICROSCOPIST, COLLEGE OF ENGINEERING — University Park
Responsible for operation of an electron microscope and for instructing and assisting students in experiments involving the electron microscope and optical microphotograph. Maintain other departmental equipment. Select appropriate photographic specimens used for instructional and research activities. Assist in departmental research, record and interpret data. Maintain darkrooms and carry out darkroom practices. Set up, maintain, align, and calibrate instrumentation and equipment for scheduled laboratories, e.g., x-ray diffractometer, Universal Testing machines, etc. Associate degree plus eight to ten years related experience.

RESEARCH AIDE (HORTICULTURE) COLLEGE OF AGRICULTURE — University Park
Analyze plant samples, including operation of emission spectrometer, selection of basic standards, proper buffer, sample size and elements to be analyzed. Operate, maintain, and supervise the operation of the induction furnace and titration for sulfur determinations. Select appropriate plant samples from fruit and vegetable experiments and supervise the preparation of samples for analysis, including desiccation, drying, grinding and grinding. Bachelor of Science degree in Agriculture, or its equivalent plus two years related experience in general laboratory work plus some knowledge of computer science.

ASSISTANT FINANCIAL OFFICER, COLLEGE OF ARTS AND ARCHITECTURE — University Park
Responsible to the Financial Officer College of Arts & Architecture for maintaining College and

News briefs

LONDON BUS

Beginning with the Stanford game, Saturday, Sept. 14, the London Bus will start off at 10 and 11 a.m. from the iron gate at the intersection of Allen St. and College Ave. for half-hour tours of the campus. If the response is sufficient, the bus will operate at each home football game. Last summer, nearly 4,000 persons took the bus tours.

DR. OSWALD ATTENDS BICENTENNIAL

President John W. Oswald attended the opening session in Philadelphia of the Bicentennial of the First Continental Congress. The Sept. 5 event, which brought together leaders from the original 13 colonies, including all but two of the governors, commemorated the Sept. 5, 1774, meeting of colonial leaders, called to Philadelphia to write a list of grievances against the British crown. Dr. Oswald attended the affair as a guest of Gov. Milton J. Shapp.

DAVEY ORIENTATION

Students and faculty are invited to attend orientation programs presented by the Physical Sciences Library, 230 Davy Lab. Talks, each lasting one hour, will cover such topics as the use of library information sources and location of materials. The program will run from Sept. 16-22, Monday through Friday, at 10 a.m. for undergraduate students and 1:30 p.m. for new faculty and graduate students. Those unable to attend at these times may contact Mr. McKown, physical sciences librarian, at 865-7617.

CIVIL AIR PATROL

The first fall meeting of the Penn State University Squadron 1303 CAP will be held Thursday, Sept. 19, at 7:30 p.m., in Room 104 Wagner Bldg. Persons interested in CAP's program of air and ground search and rescue, aerospace education for adults and youth, and communications and volunteerism are invited. Further information may be obtained from Capt. Carl Risher 237-2138.

University Accounting Unit preparing monthly reports and performing other general accounting duties. Bachelor's Degree in Accounting or equivalent plus two to four years related experience.

COUNSELOR (CAREER DEVELOPMENT AND PLACEMENT) — Ogoniz
Responsible to the Dean of Student Affairs for the Career Development Group, operating primarily on educational/vocational concerns. Assist with pre-registration training, Summer counseling and orientation. Provides consultation to students on the Student Affairs staff and the community. Master's degree in Counseling Education or related area or equivalent plus a minimum of three years applicable experience.

RESEARCH AIDE-CHARACTERIZATION, INTERCOLLEGE RESEARCH PROGRAMS — University Park

Responsible for characterization of materials utilizing optical microscopy, X-ray powder diffraction, differential thermal analysis, scanning electron microscope, scanning electron microscope and scanning techniques. Associate degree or equivalent in chemistry, plus two to four years related experience in laboratory chemistry or related field involving materials preparation and characterization.

RESEARCH AIDE-PREPARATION, INTERCOLLEGE RESEARCH PROGRAMS — University Park
Responsible for preparation of high purity inorganic materials by controlled atmospheric synthesis, hydrothermal and high pressure synthesis and ceramic techniques; the purification and characterization of these materials. Associate degree or equivalent in chemistry, plus two to four years related experience in laboratory chemistry or related field.

PENN STATE intercom

Volume 4, Number 3

September 19, 1974

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

News in brief

OPEN HOUSE

An open house to mark the 25th anniversary of the dedication of the Garfield Thomas Water Tunnel will be held Friday, Sept. 20, from 7 to 10 p.m. and Saturday, Sept. 21, from 8:30 a.m. until noon. The facilities of the world's largest high-speed water tunnel will be demonstrated for the public. The silver anniversary celebrations also include a program with Applied Research Laboratory and Navy personnel. Distinguished guests are Dr. David S. Potter, Under Secretary of the Navy; Admiral I. C. Kidd, Jr., Chief of Naval Material; Vice Admiral W. P. Mack, Superintendent of the U.S. Naval Academy; and Rear Admiral R. W. King, Deputy Commander for Research and Technology Directorate, and Rear Admiral W. Dedrick, Deputy Commander for Weapons, Systems and Engineering Directorate, both of Naval Sea Systems Command. Three former directors of the Tunnel will also be present. They are Dr. J. M. Robertson, Dr. G. F. Wallenous and Dr. M. M. Sevik.

NEWCOMERS' ACTIVITIES

A reception sponsored jointly by Newcomers Club and the Faculty Women's Club will be held Tuesday, Sept. 24, from 7:30 to 9:30 p.m. at Kern Bldg. Those attending will have the opportunity to sign up for various interest groups offered by both clubs. Newcomers' groups include a book exchange, bridge, tongue-twimble-and-things, dinners for eight and a couples' sports night. Membership is open to women faculty and wives of faculty or administrators who have been here less than two years. More information may be obtained from Mrs. Stuart Forth, 238-5268, or Mrs. Keith Lantz, 237-9404.

AFRICAN FILM

"Sambizanga," a highly acclaimed color, feature-length film from Africa will be

shown Wednesday, Sept. 25, at 7:30 p.m. in the Black Cultural Center, Walnut Bldg. The film, with English subtitles, is sponsored by the Center, the Liberal Arts African Studies Committee, and the Black Studies Program. Described as an African "2" by many reviewers, the film is based on events leading up to the 1961 outbreak of armed resistance to Portuguese rule in Angola.

FRASER ONE-WAY

Fraser Road extending from Pollock to Curtin between Sparks Bldg. and West Halls has been designated as a one-way street with traffic moving south to north. The change, which is now in effect, was made as a part of the new parking regulations at the University. The east lane of the street will be used for assigned parking spaces.

GAMES CLASSES

Games and gymnastic classes for children of faculty, staff and townpeople will be offered from Sept. 25 through Nov. 14 in White Bldg. Sponsored annually by the College of Health, Physical Education and Recreation, the classes meet Wednesday or Thursday afternoons from 4 to 5 p.m. and are designed for children in kindergarten through fourth grade. Registration will be held the first day of each class in White Bldg.

DAVEY DEDICATION

Davey Laboratory, providing classrooms, offices, and research facilities for the Departments of Astronomy, Chemistry and Physics will be formally dedicated Friday, Oct. 4. The activities, open to the public, will include a program in the second floor lounge of the Laboratory at 2 p.m., followed at 3 p.m. by tours of the building. The \$6.5 million structure, built by the

General State Authority, is named in honor of the late Dr. Wheeler P. Davey, a member of the Penn State faculty for almost a quarter of a century and a University alumnus. A former research professor of chemistry and physics, Dr. Davey was internationally known for his pioneering studies in the fields of x-rays and crystal structure. President John W. Oswald will unveil a portrait of Dr. Davey which will hang in the lounge. Dr. Thomas Warlik, dean of the College of Science, will preside at the dedication program which will include brief addresses by three of Dr. Davey's colleagues: Dr. David H. Rank, Evan Pugh research professor emeritus of physics; Dr. David C. Duncan, professor emeritus of physics; and Dr. Thomas S. Oakwood, professor emeritus of chemistry.

BERKS THEATRE

Berks Summer Theatre, a professional, non-equity stock company operating in a continuing education mode and giving practicum credit to participants, closed a successful season of six musical and six children's shows at the Berks Campus Sept. 1. Over 18,000 paid admissions were recorded in the 300-seat Theatre-Auditorium, assuring sufficient funds for continuance of the activity next season.

MLA PAPERS INVITED

Graduate students in modern languages, literature and linguistics are invited to submit papers to be read at the spring meeting of the Northeastern Modern Language Association next April in Montreal. Abstracts of papers should be sent by Oct. 15 either to heads of individual sections or to the head of the MLA Graduate Seminar, Abbot J. Mendelson, Dept. of English, University of Pittsburgh. Papers should run a maximum of eight pages or 15 minutes reading time.

Faculty club building plans to be shown

Pending approval by the Trustees at the Sept. 20 meeting of the Board, preliminary plans for the Penn State Faculty Club building will be displayed at the annual meeting of the Club Wednesday, Oct. 2, at 8 p.m. in Room 101 Kern.

This meeting is open to both members and non-members of the Faculty Club. Robert Gray, chairman of the Building Planning Subcommittee, will present the blueprints which were developed by the architectural firm of Venturi and Rauch. The building is to be located between the Military Lion Inn and Park Ave.

According to Dr. Richard Schein, president of the Club, the progress achieved on the plans makes it necessary to name an operations subcommittee of the Club's Facilities and Functions Committee. This group will be charged with developing the day-to-day operations and program of the Club.

With building planning well in hand, the most important task for the next year will be to prepare for the Club's opening. Dr. Schein points out.

Members may send nominations — including their own — to either Dr. Schein or Dr. Donald Oleson, vice president of the Club, for the new subcommittee.

Enrollment figures rise

Enrollment of resident instruction students at University Park at the opening of fall term classes last week totalled 30,250 while registrations for all locations reached 46,958, according to Dr. Robert E. Dunham, vice president for undergraduate studies.

The figures, still incomplete because of late registrants, are above those of a year ago when at the opening of classes there were 28,382 at University Park and 44,786 at all locations. The final figures last year were 29,597 at University Park and 48,439 at all locations.

At University Park this fall there are 25,221 baccalaureate degree candidates, 4,661 graduate students and 368 adjunct students. Among the 14,593 reported for the Commonwealth Campuses are 3,176 as associate degree candidates, 9,309 enrolled in baccalaureate degree programs and 2,108 graduate students. Behrend College, with an enrollment of 1,493, has 175 associate degree and 1,135 baccalaureate degree students as well as 33 in graduate programs and 150 adjunct students.

The Hershey Medical Center reported 395 medical and graduate students. King of Prussia Graduate Center has 227 students.

Registration at Capitol Campus, Middletown, is scheduled for Sept. 30 and Oct. 1. Commonwealth Campus enrollments, also incomplete, are: Allentown at Fogelsville, 141; Altoona, 1,740; Beaver at Monaca, 985; Berks at Reading, 745; Delaware County at Media, 1,141; DuBois, 479; Fayette at Uniontown, 1,068; Hazleton, 860; McKeesport, 1,032; Mont Alto, 860; New Kensington, 753; Ogontz at Abington, 1,710; Schuylkill at Schuylkill Haven, 600; Shenango Valley at Sharon, 673; Wilkes-Barre, 540; Worthington Scranton at Dunmore, 736; and York, 608.

Almost two-thirds of State's faculty tenured

Almost two-thirds of all faculty members teaching in the Commonwealth's colleges and universities have tenure, according to a Penn State study.

The State also appears to have an aging faculty; 56.8 percent of them are over 40.

The study, which sampled more than 1,800 teaching faculty at 118 Pennsylvania Institutions of higher education during 1972-73, was sponsored by the Center for the Study of Higher Education.

Its authors are Dr. Larry L. Leslie, chairman and professor of higher education at the University, and Dr. James Cressy, associate professor of business at Bloomsburg State College.

Other highlights of the study, which is the first in-depth report on Pennsylvania professors undertaken since 1935, include:

—The distribution of Pennsylvania faculty among the academic ranks — assistant, associate and full professors — is balanced about evenly.

—The average teaching load for Pennsylvania faculty is about 10 hours per week, which is comparable to national loads.

—Faculty in the Commonwealth are not particularly inbred. Less than 20 percent have returned to their alma maters as teachers, and more than three-fifths earned

their highest degree outside Pennsylvania. —Women compose only 21.1 percent of the faculty in Pennsylvania, and they are less likely than men to be tenured or to be at the senior academic ranks.

In commenting on their findings in a report, "The Higher Education Faculty of Pennsylvania: Selected Characteristics," Dr. Leslie and Dr. Cressy point out that there are a number of differences among the institutions which they surveyed.

Eight categories of institutions were identified for the study: Research and doctoral-granting universities; doctoral granting universities; two types of comprehensive colleges and universities, distinguished by the number of professional programs of study they offer in addition to their liberal arts curricula; two types of liberal arts colleges, differentiated by their criteria for selecting students; community colleges; and professional schools and other specialized institutions.

Among these schools, the lowest average faculty age is found in the community colleges — 39.7 years. The highest is registered by the comprehensive institutions — 44.8 years. The latter also had a significantly higher concentration of tenured teaching faculty.

Overall, Dr. Leslie and Dr. Cressy found,

Pennsylvania faculty teach an average of 9.9 hours per week. The reported general work week in the state-related universities is 57.5 hours per week, as compared to a national norm of 55.6 hours.

The survey's authors also found that the best predictors of faculty rank and tenure were not sex but the number of years faculty had spent both in higher education and at their present institution, as well as how many degrees they had earned.

Societal factors, they conclude, are principally to blame for the present status of women in academe.

"Often, women are expected to disrupt their professional careers," they write, "in order to bear and raise children, or to support their husbands in getting their professional starts. As a result, women are more likely to become placeboard, attending graduate schools wherever their husbands happen to be located, stopping out short of the doctorate as their husbands change jobs and move, and subsequently accepting a faculty position wherever commuting to a college will permit. . . .

"As long as views and conditions such as these are maintained, little progress in equality among the sexes is likely to be achieved."

University Park Calendar

September 19-29, 1974

Items to be included in this calendar should be sent to the editor, Room 312 Old Main, by Thursday of the week preceding publication.

SPECIAL EVENTS

Thursday-Friday, September 19-20 — Library orientation for faculty, 9:35 a.m. and 2:20 p.m., Room E105 East Pattee.

Friday, September 20 — Sports: Freshman football, vs. Villanova, 3 p.m., Beaver Stadium.

Friday-Saturday, September 20-21 — Open house to celebrate Garfield Thomas Water Tunnel's 25th anniversary. Facilities will be demonstrated, Friday, 7 to 10 p.m.; Saturday, 8:30 a.m. to noon.

Friday, September 20 — Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

Saturday, September 21 — Sports: Football, vs. Navy, 1:30 p.m., Beaver Stadium.

Women's golf, vs. Madison College, 10 a.m.

Sunday, September 22 — Chapel Service, 11 a.m., Music Bldg. recital hall. Captain John O'Connor, Chaplain U.S. Naval Academy.

Sunday, September 22 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

Monday, September 23 — Coed Flag Football tournament, 6:30 p.m. East Falls Field.

Tuesday, September 24 — Artists Series Film Festival, "Tormen", Ingmar Bergman, 8:30 p.m., Schwab.

Tuesday, September 24 — Faculty Women's Club and Newcomers' Club, fall reception, 7:30-9:30 p.m. Kern.

Tuesday, September 24 — Seminar on the use of psychology reference materials, 7 p.m., Room W106, Pattee Undergraduate Library.

Tuesday, September 24 — Sports: Soccer, vs. Hartwick, 7 p.m., Jeffrey Field.

Wednesday, September 25 — Alard String Quartet, 8:30 p.m., Music Bldg. recital hall.

Wednesday, September 25 — FSHA 410 ancient Athenian dinner. Reservations needed, 5:30 p.m., Maple room.

Wednesday, September 25 — "Sambanza", color feature-length film from Africa, 7:30 p.m., Black Cultural Center, Walnut Bldg. Sponsored by the Center, the Liberal Arts African Studies Committee, and the Black Studies Program.

Friday, September 27 — Folk and Square Dance Roundup, 7:30 p.m., North Gym White.

Friday, September 27 — Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

Saturday, September 28 — Artists Series, Marilyn Horne, soprano, 6:30 p.m., University Auditorium.

Saturday, September 28 — Sports: Cross country, vs. Villanova.

Sunday, September 29 — Chapel Service, 11 a.m., Eisenhower Chapel, Dr. Torrey Mobbey, chairman, Recreation and Parks.

Sunday, September 29 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

SEMINARS

Thursday, September 19 — Agronomy, 3:45 p.m., Room 301 Ag. Adm. John Washko and John Shenk on "Russian Forage Production and Quality Research."

Thursday, September 19 — Chemistry, 12:45 p.m., Room 333 Whitmore. Tobin T. Marki, Northwestern University, on "New Developments in Organocatalytic Chemistry."

Thursday, September 19 — Environmental Problem Solving, 8 p.m., Room 105 Forum. Charles Eastman, Carnegie-Mellon University.

Thursday, September 19 — Physics, 3:45 p.m., Room 117 Osmond. Peter Bergmann, Syracuse and Yeshiva Universities, on "General Relativity on Quantization."

Thursday, September 19 — Meteorology, 3:55 p.m., Room 26 Mineral Sciences.

Elliot Abrams on "Numerical Frogs: Boon and Bust."

Thursday, September 19 — Computer Science, 4 p.m., Room 101 Altohouse. Arnold Schonhage, Massachusetts Institute of Technology, on "The Production of Partial Orders."

Friday, September 20 — Statistics, 4 p.m., Room 104 McClister. Henry Block, Resnais Polytechnic Institute, on "Constant Multivariate Hazard Rate and Continuous Multivariate Extensions."

Monday, September 23 — Genetics, 3:55 p.m., Room 117 Tyson. Paul Grant, professor of cytology and cytogenetics, on "The Cytoplasmic Genetics of Vertebrate Cancers."

Monday-Tuesday, September 23-24 — Biometrics, 11 a.m., Room 101 Altohouse. Dr. Elliott S. Verdu, Milton S. Hersey Medical Center, on "Isozymes," "Metabolism of Drugs."

Tuesday, September 24 — Air Pollution Control, 2:20 p.m., Room 140 Fenske. Robert L. Kabel, Ag. chemical engineering and Center for Air Environment Studies, on "Sources and Natural Removal Processes for Some Atmospheric Pollutants."

Tuesday, September 24 — Natural Disasters, 2:20 p.m., Room 220 Willard. George M. Elsey, president, American National Red Cross, on "Problems of Post-disaster Relief."

Wednesday, September 25 — Analytical Chemistry, 11:30 a.m., Room 333 Whitmore. Keith Grime on "Microsampling Techniques for Atom Spectroscopy."

Thursday, September 26 — Agronomy, 3:45 p.m., Room 301 Ag. Adm. John Washko, U.S. Regional Feature Research Lab. on "Agronomic Research in the British Isles and Switzerland."

Thursday, September 26 — Physics, 3:45 p.m., Room 117 Osmond. Kenneth G. Wilson, Laboratory for Nuclear Studies, Cornell University, on "The Renormalization Group — The Physicist's St. George."

Thursday, September 26 — Computer Science, 4 p.m., Room 101 Altohouse. Dr. L. Stokmeyer, IBM Thomas J. Watson Research Center, on "Some Simplifying NF-Complete Problems."

Thursday, September 26 — Natural Disasters, 2:20 p.m., Room 220 Willard. Joseph Golden, National Severe Storms Laboratory, Norman, Okla., on "Observational Studies of Tornadoes and Water Spouts."

Thursday, September 26 — Statistics, 4 p.m., Room 75 Willard. Betty Thorne, Capitol Campus, on "Linear Estimation in General Linear Models."

MEETINGS

Thursday, September 19 — Penn State Squadron 1303 Capt, 7:30 p.m., Room 104 Wagner.

Thursday, September 19 — Penn State Society of Student Social Workers, 7:30 p.m., Room 69 Willard.

Monday, September 23 — OTIS, 6:30 p.m., Room 203 HUB.

Monday, September 23 — Education Student Council, 7 p.m., Room 111 Chambers.

Tuesday, September 24 — College of the Liberal Arts faculty, 3:30 p.m., Room 121 Sparks.

Tuesday, September 24 — College of Agriculture faculty, 4 p.m., Room 301 Ag. Adm.

Wednesday, September 25 — Penn State Mining Society, 7:30 p.m., Room 121 Mineral Industries. Bruce L. Wilson, Division of Island Creek Coal Company, on "An Overview of the Island Creek Coal Company with Special Emphasis on Mining Engineering Possibilities."

Thursday, September 26 — College of Arts and Architecture faculty, 4 p.m., Room 122 Music Bldg.

EXHIBITS

Museum of Art — Manyunk and Other Places: Francis Speight's paintings and drawings, Galleries A and C. Selections from the permanent collection, Gallery B. Free public tours Thursdays, 1:30 p.m.

Sackett Gallery — "Light," a show of architecture student work, through September 24.

Chambers Gallery — Pennsylvania Guild of Craftsmen, crafts, through September 26. Jeanne Stevens-Solman, drawings and ceramics, opening September 27.

Kern Gallery — Ralph G. Kaleshinski, sculpture, and Mary Martha Prod, paintings. Bob and Susan Duncan, oil paintings, opening September 9 through September 28. Peggie Lawson, pottery.

Hammond Gallery — Architectural Engineering Student Projects Exhibition.

Pattee Library — Student essays, through Sept., memorabilia of George Gilbert Pond.

FILM

Wednesday-Thursday, September 25-26 — Commonsplace Theatre, 8 and 10 p.m., Room 112 Kern. "The Dead Are Alive."

LECTURE

Thursday, September 19 — Priestley Lecture, 3 p.m., Room 112 Kern. Sir George Porter, Nobel laureate from The Royal Institution, London, on "Chemistry of the Excited State."

Staff vacancies

University faculty or staff members who are interested in any of the staff exempt or staff non-exempt jobs listed below may apply by calling Employment Services, Room 101 Old Main, 410-1387, do not contact the area having the vacancy. Applications will be accepted until: 5 p.m., Oct. 3, 1974.

SASI COORDINATOR, DIVISION OF ADMISSIONS, RECRUITING AND SCHEDULING — University Park. Responsible for coordinating the ongoing activities of the section accounting for students' and instructors' program. Bachelor's degree in Oeta Processing, data analysis, a related area or equivalent, plus 6 months to one year of related experience.

MAINTENANCE FOREMAN — Ogonitz. Responsible for the maintenance, operation, repair, and preventive maintenance of the mechanical and utilities installations, building systems, and facilities at the Ogonitz Campus. Supervise Maintenance and Operations employees. Evaluate students graduate with advanced education in mechanical and/or electrical trades plus four to eight years related experience.

STAFF PHYSICAL THERAPIST — Hershey Medical Center. Responsible for the use of various modalities of treatment to include, diathermy, ultrasound electrical, exercise, etc. Evaluate patients assigned, determine need for particular modality or modalities, physical status, range of motion, functional level, degree of pain. Administer proper treatment considering all indications and contraindications for a particular treatment in relation to the patient's condition; also predict patient status after treatment by a technician. Institute patient records, documenting patient's physical status through course of treatment at the hospital. Schedule various patients assigned including those patients being treated by a technician. Institute patients in home programs such as general exercise, etc. Bachelor's degree or equivalent plus an additional one year formal training in physical therapy and at least five years of experience in physical and occupational therapy.

SENIOR PLANNING ANALYST, OFFICE OF BUDGET AND PERFORMANCE — University Park. Responsible to the Director of Institutional Re-

search and Planning for continuous monitoring of one or more major University planning and analysis functions; to carry out negotiations on University planning policies, procedures, and study development; develop and conduct major planning studies; make recommendations on policy and strategic considerations affecting University planning; serve as staff representative of the Office of Budget and Planning with various planning and study committees within the University; and plan and supervise development of data and preparation of statistical analysis; planning programming or related field's degree or equivalent in higher education or other education fields, business administration, public administration, economics, or related fields is required. An earned doctorate in one of these areas is preferred; in such cases, a minimum of one year of appropriate and related experience is required.

PRODUCTION-OPERATION SUPERVISOR (PENN STATE RADIO) CONTINUING EDUCATION — University Park. Responsible to Special Projects, Penn State Radio, for activities including planning, production and administering assigned Penn State Radio programs. B.S. degree or equivalent in English, journalism, radio/television or related field plus two to four years related experience in radio-television programming or related areas.

BUSINESS MANAGER — Altoona Campus. Responsible for the utilization of the resources of the Business Office, initiation of sound business practices, procedures and policies; supervise the accounting and budgeting affairs of the Campus; provide reports and information which may be requested. Master's degree or equivalent with one to two years related experience.

Hub specials

Sunday, Sept. 22 — dinner, baked ham w/peach, \$12.49, supper, hot roast meat sandwich, \$10.67.

Monday, Sept. 23 — lunch, American chop steak, \$9.92; dinner, beef stew w/biscuit, \$12.25.

Tuesday, Sept. 24 — lunch, grillid cheese sandwich, \$7.76; dinner, lasagna, \$12.25.

Wednesday, Sept. 25 — lunch, Canadian meat pie, \$11.77; dinner, chicken shortcake, \$13.35.

Thursday, Sept. 26 — lunch, Jo Mazzoli, \$9.15; dinner, Chicken with potatoes, \$12.99.

Friday, Sept. 27 — lunch, searburg on bun, \$10.11; dinner, stuffed shells w/cheese Marinara, \$14.27.

Saturday, Sept. 28 — lunch, chili, \$6.47; dinner, Salisbury steak w/biscuits, \$13.38.

Death

Dr. Howard W. Dunne, 61, professor of veterinary science, died Sept. 10. Internationally known for his work on swine diseases, he was named president of the International Porcine Veterinary Society this year. In 1971, he received the 12th International Veterinary Congress prize of the American Veterinary Society. Born in Omaha, Neb., he graduated from Iowa State's School of Veterinary Medicine and earned a Ph.D. in pathology from Michigan State. A member of the faculty since 1953, he headed the veterinary science research program and the large animal diagnostic laboratory. Dr. Dunne edited the book, "Diseases of Swine," served as chairman of the Research Section of the American Veterinary Medical Assn., and was on the editorial board of the American Journal of Veterinary Research.

Alard marks 20th season

The Alard String Quartet, resident at the University since 1962, will inaugurate its 20th anniversary season in concert Wednesday, Sept. 25, at 8:30 p.m. in the Music Bldg. recital hall.

Highlighting the concert will be a world premiere of a quartet in nine short movements by composer Rudolph Shackelford, "String Quartet No. 1."

In honor of the 20th season, the group, composed of Joanne Zagst and Donald Hopkins, violin, Raymond Page, viola, and Leonard Feldman, cello, will offer two pre-mieres during its fall season. Planned for a later concert is the first American performance of a work by Lithuanian composer Vytautas Juozapaitis.

Completing the program for Wednesday's concert are Hindemith's "String Quartet No. 2, opus 16" and a Dvorak composition for string quartet and piano, with Steven Smith, assistant professor of music, joining the Quartet.

The Alard Quartet was first formed at the Juilliard School of Music in 1954.

Funding opportunities

Call 865-1372 for more information.

(147-1) The Pennsylvania Water Resources Center of the Institute for Research on Land and Water Resources is currently accepting proposals for funding. Section assure that proposals conform to the Pennsylvania Water Resources Research Act of 1964. This Act (PL 379) authorizes the Secretary of the Interior "to match, on a dollar-for-dollar basis, funds available to institutions by States or other Federal Sources to meet the necessary expenses of specific resource research projects which could not otherwise be undertaken."

The funding program emphasizes water research that is broad in scope and categorically gives preference to studies of physical and engineering geology, economic alternatives relating to water and institutional arrangements relating to water resources. Highest priority will be given to proposals which deal with problems of recognition, planning, and management of water resources. Multidisciplinary and multi-state university proposals are being encouraged. The Pennsylvania Water Resources Center maintains liaison with representatives of the Delaware, Ohio, and Susquehanna River Basin Commissions. Any one interested in becoming involved in river basin or regional research studies should contact the Center.

Investigators are requested to discuss their research interests as soon as possible with the Water Resources Center to assure that proposals are compatible with the interests and missions of the Office of Water Research and Technology. Instructions to applicants and financial forms will be obtained from Dr. Arch J. McConnell, USGS and Water Research Bldg. In order to insure that proposals can be adequately processed, complete proposals must be received by October 16, 1974.

PENN STATE intercom

Volume 4, Number 4

September 26, 1974

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

Senate report

A communication to the entire faculty from the University Faculty Senate, provided by the Senate Office. Inquiries may be addressed to Room 205 Willard.

The University Faculty Senate at its meeting Tuesday will consider proposed guidelines for actions on recommendations for faculty participation in University governance.

The guidelines were developed by the Senate Steering Committee on Governance and approved by the Senate Council.

According to Dr. Helen I. Snyder, they set forth the manner in which the Senate will deal with the 35 recommendations of the Joint Senate Administrative Select Committee on Faculty Participation in University Governance.

Under the guidelines, no report from a committee requiring Senate action shall be sent to the Senate before it has been reviewed by the Steering Committee and, subsequently, placed on the Senate agenda by the Senate Council.

Items to be discussed with the Senate by President John W. Oswald shall be reviewed by the Steering Committee and Senate Council prior to presentation to the Senate.

The guidelines also provide that:—Items within the Senate's purview shall be brought to the floor for action, with the relevant committee members prepared to participate in full Senate discussion of the proposal.

—The President will periodically report to the Senate preliminary plans and progress on the recommendations of the Governance Committee for which the President has responsibility for the initiative. These reports will be accompanied by an opportunity for discussion and questions from the Senate floor following normal forensic procedure.

—Items which are in the joint purview of the Senate and the President shall be brought to the Senate floor for discussion as an informational report prior to implementation.

Under the guidelines, amendments may be made in two ways:

1. When a report is sent to the Steering Committee and, thence, to the Senate Council, any senator may request opportunity to present an amendment to that group.

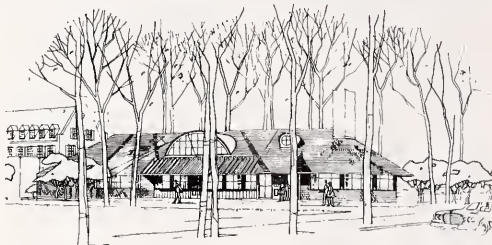
If the amendment is of such a substantive nature that the report, as a whole, would be markedly changed, the report may be sent back to the initiating committee. If not, the amendment may be attached as an appendix when the Senate agenda is circulated, and action can occur at that Senate meeting.

The Steering Committee said this route is particularly intended to provide a means for minority reports from the initiating committee to be considered by the entire Senate.

2. When the report is circulated via the Senate agenda, any senator may submit in writing a proposed amendment to the Senate Office four days before the Senate meeting.

The report will be presented at the designated meeting with an appendix containing the amendment. Action will be delayed until a following Senate meeting.

Trustees approve Faculty Club sketch plans



Sketch plan shows front view of Faculty Club.

Sketch plans for the Faculty Club to be constructed at the University have received the approval of the Board of Trustees.

The building, as designed by Venturi and Rauch, Philadelphia architects, will be located adjacent to the Nittany Lion Inn, to the north of the Inn.

With an estimated 12,000 square feet of floor space, the building will have a main floor at ground level and also a floor below ground level. The exterior will be done in the shingle style of the late 19th century.

Included in the building will be a reception and lounge area, dining facilities, and a series of meeting rooms also available for use as dining facilities.

The annual meeting of the Club Corporation will be held Wednesday, Oct. 2, at 8 p.m. in 101 Kern Bldg. Club President Richard Schein will discuss the plans at that meeting which will be open to members and non-members.

Louis P. Inesra, associate professor of architecture, served as chairman of the architect selection committee, and Robert H. Gray, professor and head of the Department of Art, heads the committee working with the architect.

First Althouse lecture slated

The first annual Dr. Paul M. Althouse Memorial Lecture at the Hershey Medical Center will be delivered Wednesday, Oct. 2, by Dr. Paul Berg, nationally recognized biochemist from Stanford University.

The lecture, slated at 4 p.m. in the Hospital Auditorium, is open to all interested persons. Dr. Berg's topic will be "Molecular Anatomy of a Viral Chromosome."

The lectureship, established in February, honors Dr. Althouse, Provost of the University at his death in 1972 and previously a professor of biochemistry, director of general education and vice-president for academic affairs.

The series was made possible through contributions to the Althouse Memorial Fund and by a matching gift from the Althouse family.

Dr. Berg, who is Jack Lulu and Sam Wilson professor of biochemistry at Stanford's College of Medicine, is a 1948 graduate of Penn State and in 1972 was named a distinguished alumnus. His work on the genetic apparatus that directs the synthesis of proteins earned Dr. Berg an Eli Lilly Award in 1963.

Funds assigned

The Trustees have approved the allocation of \$50,000 in undesignated funds in the Office of Gifts and Endowments for a number of educational and campus development projects. They include:

\$30,000 to support Graduate School Distinguished Lecturers in 1974-75 and 1975-76; \$7,000 for support of an informational tape program explaining the requirements and opportunities in the various associate degree programs; \$5,000 for a pre-planning meeting for a National Conference on Sport as a Humanistic Activity to be held in Spring, 1976.

\$25,000 for a life-support vehicle for the Medical Center to implement health care for newborn patients in Central Pennsylvania; \$10,000 to develop a nature trail and/or outdoor pavilion on the Berks Campus.

New College of Education Dean named

Dr. Henry J. Hermanowicz, dean of the College of Education at Illinois State University since 1966, will become dean of the College of Education and professor of education at the University, effective Dec. 1.



Dean Hermanowicz

He succeeds Dr. Abraham W. Vander Meer, who retired on Aug. 1, 1973. Since that time, Dr. G. Lester Anderson has been serving as acting dean. Effective immediately and continuing until Dec. 1, Dr. Edwin L. Herr, professor of education and acting

assistant dean for graduate studies, will serve as interim dean.

President Oswald said he was very pleased with the appointment of Dr. Hermanowicz and expressed his appreciation to Dr. Anderson for his outstanding service as acting dean in a very important year of self-study and planning within the College.

Dr. Hermanowicz joined the faculty at Illinois State in 1959 after having served as assistant director of research at Field Enterprises Educational Corp. in Chicago, Ill.

According to Provost Russell E. Larson, under Dr. Hermanowicz, the College of Education at Illinois State moved from near total emphasis on the training of teachers to a position of strength in graduate training. Several of the master's and doctoral programs achieved national recognition, as in the case of special education and educational administration.

A graduate of Northern Illinois University at DeKalb, Dr. Hermanowicz received his D.Ed. in teacher education, curriculum and instruction at Teachers College, Columbia University. He also studied at Northwestern University, the University of Chicago, and did post-doctoral work at the University of Illinois. His professional interests are in curriculum theory, teacher education and collegiate administration.

News in brief

CORWIN AWARD

Dr. James E. Radcliffe has won the national Edward S. Corwin Award for the dissertation he submitted to obtain his 1973 Ph.D. in political science. His thesis on "The Case or Controversy Provision — How Limited is the Political Role of the Federal Courts?" was supervised by Dr. Ruth C. Silva, professor of political science. The Corwin Award was made for the best doctoral dissertation completed during 1972 or 1973 in the field of public law. Dr. Radcliffe is now associate professor of political science at Shippensburg State College.

CALCULATORS AVAILABLE

Faculty members whose students require the use of calculators are reminded that Listening-Learning Services has a new electronic desk calculator laboratory in Rooms 6 and 7 Sparks Bldg. These calculators are available for use, free of

charge, by faculty and students. They may be used for class meetings or individual study; however, in Room 7, class meetings will be given priority. To allow sufficient time for distributing schedules, instructors wishing to use the 28 stations in 7 Sparks for group meetings should contact Listening-Learning Services (865-1325), preferably at least one week in advance. Calculators available are the Monroe Models 1930 and 1920. Rooms 6 and 7 Sparks are open Monday through Friday from 8:30 a.m. to noon and from 1 to 4:30 p.m. Both rooms will also be open Sunday through Friday evenings from 7 to 10 p.m.

BUSINESS SURVEY

The "Pennsylvania Business Survey," a periodical report of economic conditions in the Commonwealth, is available free to interested faculty and administrators at University Park and the Commonwealth Campus.

(Continued on page 2)

Deaths

Robert S. Clark, retired Huntingdon County agricultural agent, died Sept. 15 in Huntingdon. He was 78. A native of Richlandtown, he was appointed to the University's Cooperative Extension Service staff in 1919 as Huntingdon County agent and served in that position until his retirement in 1956. Mr. Clark was graduated from Penn State in 1918 with a degree in agriculture. In 1925 he was awarded a master's science degree from the University of Minnesota. He received a distinguished service award in 1949 from the National Association of County Agricultural Agents in recognition of outstanding service to agriculture.

John H. Seeton, a member of the Board of Trustees, died Sept. 12 at his home in Springfield. He was 61. President of the Pennsylvania Manufacturers Association, he was elected to the Board in June, 1973, by delegates from industrial societies. Mr. Seeton, who attended Penn State, was involved in employment of the handicapped and had served as president of the Pennsylvania Rehabilitation Association. He also was an active member of the Governor's Committee on Employment of the Handicapped and the President's Committee on Occupational Safety.

Appointment

Frederick J. Close II, of North Madison, O., who served until last June as a Trustee of the University, has been appointed to the Board to fill the unexpired term of John H. Seeton. Mr. Close, who will serve until June 30, 1976, is a 1928 graduate of the University and was named a Distinguished Alumnus in 1961. He served as chairman of the Board of Directors of the Aluminum Company of America from 1966

until his retirement in 1970, pioneering many of the world's architectural uses of aluminum.

Honors

Dr. John O. Altmquist, professor of dairy physiology, has been presented the Animal Physiology and Endocrinology Award of the American Society of Animal Science. He received \$1,000 and a plaque. Internationally known for his work in artificial breeding and reproductive physiology of dairy and beef cattle, Dr. Altmquist has been in charge of the Dairy Breeding Research Center since its establishment in 1949.

Dr. Barton W. Browning, assistant professor of German, has been appointed to the Editorial Board of "Colloquia Germanica," an international journal for Germanic studies published in Bern, Switzerland. Dr. Browning's duties will include reviewing articles submitted to the publication in the field of both Baroque and 19th century Austrian literature. He will also review new publications in these areas. The Editorial Board includes scholars in the field of German literature from nine different countries.

Dr. William E. Caldwell, executive director of the Pennsylvania School Study Council and professor of education, has been appointed to membership in the National Labor Panel of the American Arbitration Association. He has been active in the area of collective bargaining and impasse resolution for the past 15 years. His services have been used by the Pennsylvania Labor Relations Board and the Pennsylvania Bureau of Mediation as a fact-finder and arbitrator under Act 195, and he has been successful in resolving conflicts between teachers and government workers and their employers.

Dr. James M. Slocum, Jr., professor of organizational behavior, was elected president of the 800-member Organizational Behavior Division of the Academy of Management at the Academy's 34th annual meeting in Seattle, Wash. He is also president-elect of the Academy's Organizational Theory and Management Division.

In writing

The second edition of "Strategies for Political Participation," co-authored by **Dr. James Eisenstein**, associate professor of political science, has been issued by Winthrop Publishers, Inc. The paperback attempts to provide students in introductory American government courses with an explicit discussion of political participation as it relates to them. Both theory and practice are illuminated, and the costs and benefits of involvement assessed. In addition to Dr. Eisenstein, the book was co-authored by Frank Kendrick, University of Akron; Theodore Fleming, Wayne State University; and James Burnhart, Stephens College.

Dr. Frederick R. Eisele, assistant professor of social policy, is editor of the September volume of "The Annals of the American Academy of Political and Social Science." The volume, which is devoted to the "Political Consequences of Aging," contains articles contributed by academicians in fields relating to aging and public policy. Dr. Eisele also contributed a preface.

The first issue of a new journal, "Cahiers Césaires," founded and co-edited by **Dr. Thomas Hale**, assistant professor of French at the University, has just been published. Its other editor, Lilian Kesteloot, currently UNESCO professor of African literature at the University of Dakar, Senegal, is the

world's leading scholar on Aimé Césaire, to whose life and works the journal is devoted. Césaire is an Afro-Caribbean poet, playwright, and essayist from Martinique, where he also engages in political activities, serving as mayor of Fort-de-France and as a representative to the French National Assembly in Paris. He invented the term "negritude" to describe the Black cultural movement launched by Africans and West Indians in Paris in the 1930's and is considered by many scholars to be the leading Black writer of French expressionism in the world today.

Howard R. Lawrence, assistant professor of architecture, is the author of "Basic Design Process and Visual Communication Products," the first book of a two-volume text written under the sponsorship of the University's Department of Architecture and the Laboratory of Environmental Design. A second book, consisting of a bibliography of sources on the same subject, is expected to be published early next year. The current volume is organized with a schedule for instruction and many of illustrations. To facilitate opaque projection and provide space for notes, it is printed on only one side of each page. The appendix presents a computer grading format for the course.

"A Random Walk in Science" by **Dr. Robert L. Weber**, associate professor of physics, has been selected by Britain's National Book League as one of the year's 76 best books for design and function. An anthology of scientific humor, the book was originally published for the scientific community by Crane, Russak & Co., Inc., and was selected by the Macmillan Library of Science Book Club. A second printing is scheduled for the general public.

NEWS IN BRIEF—

(Continued from page 1)

puses. Published by the Center for Research on the College of Business Administration, it is based on a statistical analytical program supervised by **Dr. Ned Shilling**, associate director of the Center. Monthly analyses of significant changes in Pennsylvania's economy are compared with national changes. Also featured are quarterly analyses of changes in the "little economies" of 13 major Pennsylvania metropolitan areas. Annual reviews and short-run forecasts are prepared for Pennsylvania and each metropolitan area. The "Survey" may be obtained from the Center, 801 Business Administration, University Park. Present subscribers must indicate their desire to have their subscriptions renewed.

CAPITOL COURSE

With the opening of fall classes Oct. 2 at Capitol Campus, a new undergraduate course of studies, Law and Society, will be offered. The curriculum, according to coordinator **Dr. Robert Bresler**, will cover the criminal justice system, urban studies, discrimination and minority groups, and law and social problems.

SCHUYLKILL SHOWS

A series of public exhibits by local craftsmen and artists will be held at the Schuylkill Campus during the next four months. Sponsored by the Cultural Affairs Committee and the Campus Library, the exhibits will feature 15 individuals who will show weavings, sculpture, paintings, photography, etchings and pottery.

BOWLERS WANTED

The University's Faculty and Staff Bowling League is looking for bowlers (individuals or teams) who would like to bowl Friday nights at 6:30 p.m. Anyone interested should call **Bob Woods** or **Mike Billett** at 865-1741. The current season runs through April at the Recreation Bldg. lanes.

SPEIGHT FILM

A 30-minute color film on the life and work of painter Francis Speight will be shown every Thursday in conjunction with the free public tours at 1:30 p.m. in the Museum of Art at the University. What the painter sees and how he paints his visualizations are considered in the film on Speight, the subject of "Manyakun and Other Places" on view in Galleries A and C of the Museum through Oct. 27.

CHILDREN'S CLASSES

Two creative drama classes for children enrolled in either morning kindergarten or

fifth and sixth grade will be offered in the Department of Theatre and Film beginning Monday, Sept. 30. The seven-week course, which provides a laboratory experience for students preparing to be creative drama teachers, will be held every Monday and Wednesday. Kindergarten age children may attend the class in Room 6 Arts Bldg. from 2:30 to 3:15 p.m.; children in fifth and sixth grades, from 3:45 to 4:45 p.m. An equal number of girls and boys may be registered by calling the Theatre and Film Department, 865-7586. Enrollment is limited and there is no fee.

QUINTET CONCERT

A varied selection of wind quintets by five composers are planned for the first fall concert by the Claremont Woodwind Quintet Wed., Oct. 2, at 8:30 p.m. in the Music Recital Hall. Quintet members **Smith Toulson**, clarinet, **Overda Page**, flute, **Christen Dole**, French horn, **Gregory Donovetsky**, oboe, and **William Dole**, bassoon, all of the music faculty, will perform an early quintet by Beethoven con-temporary Anton Reicha. Also scheduled are works by contemporary composers **Bozza**, **Persichelli**, and **Bergama**, including the latter's "Concerto for Wind Quintet" which features interesting solo passages and portions for groupings within the basic quintet scheme.

RENAISSANCE DIRECTOR

Arthur M. Wellington, professor of counselor education, has been named director of the Renaissance Scholars Program of the University. He had previously served on the Committee on Renaissance. The Renaissance Fund was initiated in 1970 by five members of the Board of Trustees to signify a "rebirth" of effort to provide financial aid for capable disadvantaged students. Seventy students have benefited from the Fund since its inception.

INTERCOLLEGE PROGRAM

An intercollegiate graduate program on energy sources and utilization has been approved by the Trustees as a joint venture of the College of Earth and Mineral Sciences and the College of Engineering.

The program, leading to the master's of science degree, is designed to make use of established graduate programs directly involved in some technical aspects of the energy problem. Its primary appeal will be to those who have the bachelor of science degree and see the value of another year of study to develop technical expertise in the energy field.

VADD insurance options opened

Since 1964, the University has offered a voluntary plan of accidental death and dismemberment insurance to all regular faculty and staff members. The plan provides optional amounts of insurance ranging from \$10,000 to \$150,000 and also provides accidental death and dismemberment coverage for dependents.

The month of October is the period when membership in this plan may be changed. One or more of the following actions may be taken during the month: (1) change the dollar amount of insurance coverage; (2) change from individual coverage to family coverage or vice-versa; (3) enroll in the plan as a new member; (4) withdraw from the plan.

To accomplish any of the above changes, obtain and complete a new VADD enrollment card from your dean or administrative office and send it to the Employee Benefits Division, 133 Willard Bldg., by

October 31. All changes received by that date become effective November 1.

If you should wish to check your present coverage, examine the section of your paycheck stub marked "VADD." The deduction will indicate the amount of coverage you have.

Coverage	Monthly Deduction	Diversity Deduction
\$ 10,000	\$.50 single	\$.23 single
	\$.75 family	\$.33 family
\$ 25,000	\$ 1.25 single	\$.57 single
	\$ 1.75 family	\$.80 family
\$ 50,000	\$ 2.50 single	\$ 1.15 single
	\$ 3.50 family	\$ 1.61 family
\$ 100,000	\$ 5.00 single	\$ 2.30 single
	\$ 7.00 family	\$ 3.23 family
\$ 150,000	\$ 7.50 single	\$ 3.46 single
	\$ 10.50 family	\$ 4.89 family

If you are unable to check in this manner, information about your coverage may be obtained from the Employee Benefits Division.

Berks Campus organizes Institute

A notable, new step toward involving a Commonwealth Campus in community affairs has been taken at Berks with the organization of an Advisory Council for the recently formed Institute of Community Affairs (ICA).

A cross section of 72 Berks County residents has been invited to join the Council, including representatives from education, business, industry, labor, and religious and civic groups. Elected officials from Berks County townships and boroughs, along with State legislators, members of the Reading City Council, and Berks County Commissioners have also been asked to serve.

The Institute hopes to undertake a three-fold mission of public service, applied research and continuing education to benefit

all the citizens of Berks County, according to its program director, **Dr. Douglas J. Grandquist**.

Its primary public service function will come in the area of research and community organization, including conferences, workshops and seminars aimed at assisting citizens and elected officials in community planning and development.

Plans also call for developing task forces consisting of community representatives with knowledge of a particular area to assist ICA in undertaking selected projects of significant benefit to Berks County.

ICA will serve, in addition, as a clearinghouse for information and as a convenor of meetings, collecting information which bears on local issues from studies undertaken in various parts of the country.

1,100 students now enrolled by EOP

There are now 1,100 students, 60 percent of whom are black, enrolled in the Educational Opportunity Program (EOP) at the University, according to a report by **Ralph Hetzel**, chairman of the Trustee Committee on Educational Policy.

Of these students — 600 enrolled at University Park, 500 at the Commonwealth Campuses — 30 percent are white, 5 percent have Spanish surnames, and 5 percent are listed as "other." In addition to the 60 percent who are black.

Other information concerning the student includes:

- The overall academic average of EOP students during the Spring Term was 2.35, out of a possible 4.00.
- The 90 EOP students who were graduated in June marked the first significant number of EOP graduates at Penn State.
- The Colleges of Education, the Liberal Arts and Human Development enroll the largest numbers of EOP students.
- EOP students admitted for the current Fall Term number 407, with 151 enrolled at University Park.

University Park Calendar

September 26-October 6, 1974

Items to be included in this calendar should be sent to the editor, Room 312 Old Main, by Thursday of the week preceding publication.

SPECIAL EVENTS

Friday, September 27 — Folk and Square Dance Roundup, 7:30 p.m., North Gym, White.

Friday, September 27 — Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

Saturday, September 28 — Artists Series, Marilyn Horne, soprano, 8:30 p.m., University Auditorium.

Saturday, September 28 — Sports: Cross country, vs. Villanova.

Sunday, September 29 — Chapel Service, 11 a.m., Eisenhower Chapel. Dr. Tony

A. Mobley, chairman, Recreation and Parks.

Sunday, September 29 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

Monday, September 30 — Women's field hockey, vs. Slippery Rock, 2:30 p.m.

Monday, September 30 — Gamma Pi Epsilon program on "Addiction and Rehabilitation" by speakers from "On Drugs," 8 p.m., McElwain Hall piano lounge.

Tuesday, October 1 — "Emilia," color feature-length film from Senegal, 7:30 p.m., Black Cultural Center, Walnut Bldg. Sponsored by the Center, the Liberal

Arts African Studies Committee and the Black Studies Program.

Wednesday, October 2 — Claremont Woodwind Quintet, 8:30 p.m., Music Bldg. recital hall.

Wednesday, October 2 — Reception to honor Dr. Luis Albert Sanchez, 3-5 p.m., Rare Books Room, Pattee. Public invited.

Wednesday, October 2 — Free-University course registration, 9 a.m.-10 p.m., HUB ballroom.

Thursday, October 3 — Sports: West German Women's National Volleyball Team vs. U.S.A. Eastern Zone National Team,

8 p.m., Rec Hall.

Friday, October 4 — Artists Series, Winter Consort, 8:30 p.m., Schwab.

Saturday, October 5 — Paul Winter, Ives program, 8:30 p.m., HUB ballroom.

Sunday, October 6 — Chapel Service, 11 a.m., Eisenhower Chapel. Sister Beverly Stanton, Campus Ministry, Morgan State College.

Sunday, October 6 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

Sunday, October 6 — Sigma Delta Epsilon, 2:30 p.m., Room 102 Kern. Talk on job opportunities.

SEMINARS

Thursday, September 26 — Agronomy, 3:45 p.m., Room 301 Ag. Adm. Gerry Jung, U.S. Regional Feature Research Lab, on "Agronomic Research in the British Isles and Switzerland."

Thursday, September 26 — Physics, 3:45 p.m., Room 117 Osmond. Kenneth G. Wilson, Laboratory for Nuclear Studies, Cornell University, on "The Renormalization Group — The Physicist's St. George."

Thursday, September 28 — Computer Science, 4 p.m., Room 101 Althouse. Dr. L. Stockmeyer, IBM Thomas J. Watson Research Center, on "Some Simplified NF-Complete Problems."

Thursday, September 26 — Natural Disasters, 2:20 p.m., Room 220 Willard. Dr. Joseph Golden, National Severe Storms Laboratory, Norman, Okla., on "Observational Studies of Tornadoes and Water Spouts."

Thursday, September 26 — Mathematics, 4 p.m., Room 102 McAllister, N. Grossman, on "On the Problem of Atmospheric Refraction."

Thursday, September 26 — Statistics, 4 p.m., Room 75 Willard. Betty Thorne, Capital Campus, on "Linear Estimation in General Linear Models."

Thursday, September 26 — Nuclear Engineering, 4 p.m., Room 111 Breazeale Nuclear Reactor. John L. Wise, chief engineer, Field Startup and Test Department, Gilbert Associates, Inc. Reading, Pa., on "Startup and Testing of Nuclear Power Plants."

Monday, September 30 — Environmental Problem Solving, 8 p.m., Room 105 Forum. Mike Brill, architect and environmental design, State University of New York at Buffalo, on "Everything You Always Wanted to Know about Systems, but Were Afraid to Ask."

Monday, September 30 — Plant Pathology, 9:45 a.m., Room 213 Buckhout. Richard Woodward on "The Symbiotic Theory:

One Explanation of Mitochondria and Chloroplast Origin in the Eukaryotic Cell."

Monday-Tuesday, September 30-October 1 — Biochemistry, 11:10 a.m., Room 101 Althouse. Thomas Smyth, entomology, on "Chemical Synapses — In Retrospect," "Chemical Synapses — Prospectus."

Tuesday, October 1 — Comparative Literature, 12:15 p.m., Beaver Room, Hotel State College. Dr. Luis Albert Sanchez, writer-political-educator.

Tuesday, October 1 — Air Pollution Control, 2:20 p.m., Room 140 Fenske. Douglas M. Whelpdale, Atmospheric Environment Service, Downsview, Ontario, on "Pollutant Removal at the Earth's Surface."

Wednesday, October 2 — Analytical Chemistry, 11:30 a.m., Room 333 Whitmore. Robert Goldberg, National Bureau of Standards, on "Bioanalytical Applications of Heat Measurements."

Thursday, October 3 — Natural Disasters,

2:20 p.m., Room 220 Willard. Dr. Barry L. Myers, business law, on "Legal Controls in Flood-Prone Areas."

Thursday, October 3 — Agronomy, 3:45 p.m., Room 111 Tyson. Dr. Rulus Cheney, USDA, Washington, D.C., on "Heavy Metal Contamination in Soils via Waste Disposal."

Thursday, October 3 — Physics, 3:55 p.m., Room 117 Osmond. Helmut Fritzsche, James Frank Institute, University of Chicago, on "Amorphous Semiconductors."

Thursday, October 3 — Chemistry, 12:45 p.m., Room 333 Whitmore. John Ross, M.I.T., on "Chemical Instabilities."

Thursday, October 3 — Acoustical Society and Engineering Acoustics Graduate Program, 4 p.m., Room 71 Willard. Dr. Francis Frenkel, Westinghouse Corp., on "Present Trends in Nonlinear Acoustics."

Thursday, October 3 — Mathematics, 4 p.m., Room 102 McAllister, N. Grossman, on "Examples of Bang-Bang Controls in Infinite Dimensions."

LECTURE

Wednesday, October 2 — First annual Paul M. Althouse Memorial Lecture, 4 p.m., HUB ballroom, Hershey Medical Center. Dr. Paul Berg, Stanford University, on "Molecular Anatomy of a Viral Chromosome."

Thursday, October 3 — Dr. Luis Alberto Sanchez, Peruvian writer-political-educator, 8 p.m., Room 101 Kern, on "Literature and Politics of the APRA Political Party."

MEETINGS

Thursday, September 26 — College of Arts and Architecture faculty meeting, 4 p.m., Room 122 Music Bldg.

Thursday, September 26 — USG Senate, 7 p.m., Room 213 HUB.

Thursday, September 26 — Student Affairs, 4 p.m., HUB assembly room.

Monday, September 30 — Council of Exceptional Children, 7 p.m., Room 169 Willard.

Monday, September 30 — OTIS, 6:30 p.m., Room 203 HUB.

Monday, September 30 — Colloquy, 8:15 p.m., Room 203 HUB.

Tuesday, October 1 — Faculty Senate, 2:10 p.m., Room 112 Kern.

Tuesday, October 1 — ARHS, 7:30 p.m., Room 309 Bouck.

Wednesday, October 2 — AWS, 7 p.m., Room 203 HUB.

Wednesday, October 2 — Penn State Faculty Club Annual Meeting, 8 p.m., Room 101 Kern.

OFFICIAL

Thursday-Saturday, September 26-28 — Preregistration for Winter Term.

Thursday-Saturday, September 26-28 — File for Repeat Course.

Monday, September 30 — Preregistration deadline for Winter Term.

Monday, September 30 — Deadline for filing Course Drops.

Monday, September 30 — File for Pass/Fail.

Monday, September 30 — Deadline for filing Course Repeat.

Friday, October 4 — Deadline for application for Winter Term Tuition Grants-in-Aid, Room 317 Kern.

EXHIBITS

Museum of Art — Manyunuk and Other Places: Francis Speight's paintings and drawings, Galleries A and C. Selections from the permanent collection, Gallery B. Free public tours Thursdays, 1:30 p.m.

Chambers Gallery — Jeanne Stevens-Solman, drawings and ceramics, opening September 27.

Kern Gallery — Ralph G. Kaleschski, sculpture, and Mary Martha Proud, paintings, through September 28. Peddie Lawson, pottery, through September 30. Bob and Susan Duncan, oil paintings, opening September 29.

Hammond Gallery — Architectural Engineering Student Projects Exhibition, through September 29.

Pattee Library — Central foyer, memorabilia of George Gilbert Bond, through September 30.

FILM

Thursday, September 26 — Commonsplace Theatre, 8 and 10 p.m., Room 112 Kern. "The Dead Are Alive."

Wednesday, October 2 — Commonsplace Theatre, 8 and 10 p.m., Room 112 Kern. "To Have and Have Not."



Artists Series offers Horne, Winter

Two Pennsylvania natives, Marilyn Horne and Paul Winter, are featured in Artists Series events this week and next.

Miss Horne, soprano star of the Metropolitan Opera, La Scala, Covent Garden, and the Chicago Lyric, will sing Saturday night, Sept. 28, at 8:30 p.m., at University Auditorium as the first performer in the 1974-75 Music Series. Her program includes a Handel aria from "Semele," another aria to be announced, and pieces from Henry Purcell, Schumann, Debussy, and Dvorak.

The Paul Winter Consort, co-sponsored by the Artists Series and the Penn State Jazz Club, will be here for a three-day visit, Thursday through Saturday, Oct. 3-5. They will present free workshops, a section of improvisation open to "anyone who plays

any instrument, no matter how well," an evening of Charles Ives music Oct. 5 at 8:30 p.m. in the HUB ballroom, and a more formal Artists Series concert Oct. 4 at 8:30 p.m. in Schwab Auditorium.

Winter's group uses more than 100 musical instruments from dozens of cultures in the performance of music that has elements of rock, jazz and classical music. This season, the Altona native is using a combination of alto saxophone, keyboard, cello and "drums and things" for much of his music.

Tickets for the Horne concert or the entire Music Series will be available weekdays from 9 a.m. to 4 p.m. and Saturday from 10 a.m. to noon at University Auditorium and the HUB, or at the door one hour before the performance if not sold out beforehand.

Campus to host Danish gym team

The internationally acclaimed Danish Gym Team will appear Tuesday, Oct. 8, at 8 p.m. in the gymnasium of the Worthington Scranton Campus, under the sponsorship of the Art and Lecture Series at the Campus.

The performers on the team were selected from among the many skillful gymnasts Denmark produces. Their demonstrations include a variety of modern Danish gymnastics for women and men and a selection of Danish folk dances, for which they wear colorful native costumes. Most of the program is accompanied by music.

Tickets for the performance may be reserved by contacting Richard N. Barshinger, assistant professor of mathematics and chairman of the Art and Lecture Series, at (717) 861-4784 or (717) 563-2205. A limited number of tickets will be available at the door on the evening of the performance.

Tickets for Paul Winter's Schwab Auditorium concert go on sale Oct. 1 in the HUB at the same hours. All other events in the Winter residency are either free or cost 50 cents at the door.

The Artists Series has announced that its 1974-75 Theatre/Dance Series is sold out. However, persons who wish to see Agnes De Mille's Heritage Dance Theatre, the Royal Shakespeare Company, "Don Juan in Hell" or the Martha Graham Dance Company may buy tickets to second performances, which are classed as Special Events. These tickets will go on sale shortly after each event.



HUB specials

Sunday, Sept. 29 — dinner, roast pork/ apples, \$1.71; supper, lasagne, \$1.22.

Monday, Sept. 30 — lunch, grilled cheese sandwich, \$1.76; dinner, beef liver w/onions, \$1.23.

Tuesday, Oct. 1 — lunch, spaghetti w/meat sauce, \$3.92; dinner, meatloaf w/potato bake, \$1.08.

Wednesday, Oct. 2 — chicken skewe main w/rice, \$9.11; dinner, Salisbury steak w/blue cheese dressing, \$1.33.

Thursday, Oct. 3 — lunch, stuffed french w/bun, \$3.83; dinner, stuffed frank steak, \$1.66.

Friday, Oct. 4 — lunch, fishweek w/bun, \$1.05; dinner, French fried calves, \$1.34.

Saturday, Oct. 5 — chili, \$5.4; dinner, spaghetti w/meat sauce, \$1.17.

Funding opportunities

Call 865-1372 for more information.

September 26, 1974

(14-1) Engineering faculty at the assistant or associate professor level with no prior substantial research support may apply for research funds to the College Research Initiative Program of the National Science Foundation. Those faculty who have earned their doctorates in 1913 or 1914 or have completed all requirements by Dec. 31, 1974, are eligible for campus-based research or for cooperative work with industrial, governmental or private research units. Special opportunities are available in key scientific areas such as energy, environment, food, natural hazards, natural resources and productivity, although proposals are accepted in any area of engineering. Awards of up to \$35,000 will be made for two-year, nonacademic projects. The application deadline is Oct. 2, 1974, with a mid-March, 1975, award announcement. The program is administered by the Engineering Research Initiative Program, NSF, Washington, D.C. 20505 (DD-032-5851).

(14-2) Teachers of undergraduate students in the natural and social sciences, mathematics and engineering are eligible to enroll in National Science Foundation Challenge-Type Short Courses conducted by the American Association for the Advancement of Science. The sessions are in two parts of two days each. The first session is in October and November and the second in February and March. A list of courses, field centers and class schedules is available for the three circuits—Eastern, Central and Western. Each circuit has four field centers. Application forms are available from field center coordinators.

(14-3) Materials for grant applications under Title I of the Higher Education Act of 1965 for Continuing Education, Community Service and Adult Education are available from George Speerly, Jr., or J. William Jacobs, 505 Keller, 865-0455. Programs should be designed to provide continuing education to adult citizens enabling them to gain new knowledge to rejoin the community. Present priorities are manpower shortage in the allied health field, adult counseling needs, improvement in local government and environmental protection. Funding requests 1/3 institutional matching. The Pennsylvania Dept. of Education deadline is Nov. 1, 1974. Early contact with Speerly or Jacobs is recommended. Materials are available distributed (Ref. E.B.T. Memo, Title I FY 1975, 8/20/74).

(14-4) Institute of International Education has announced several awards for U.S.S.R.-related study-abroad programs. The U.S.S.R. program is opened to end-of-career-music scholars as well as preclerical artists. Belgium is particularly attractive to students with degrees related to the American Bicentennial, modern media tools, and evaluation of educational systems. The application deadline for Fulbright Awards is Sept. 30, 1974. Interested persons should consult Gen. B. F. Howell, Jr., 317 Kern Bldg.

(14-5) Danforth Foundation (222 S. Central Ave., St. Louis, Mo. 63105) will again offer 3-year fellowships for 1975-76 to exceptionally qualified seniors and recent graduates planning graduate study as preparation for a teaching career. Applicants must be nominated by the Graduate

School. Applicants are evaluated on intellectual ability and breadth, teaching potential and evidence of a concern for the relations of ethical or religious values to disciplines, the educational process and to academic and social responsibilities. Preference is given to students in the humanities, arts and to academic and social responsibilities. Preliminary and fees plus discretionary allowance. GRE scores are required no later than the Oct. 26 examination (Oct. 3 registration deadline). A preliminary application including complete college transcripts, three letters of recommendation, a vita, and a statement of career and lifetime goals must be submitted to the Fellowship Office, 317 Kern Graduate Bldg., by Oct. 29, 1974, to be considered for nomination. For further information, consult the fellowship office or write to the address above.

(14-7) A New Research Tools Program has been announced by the National Endowment for the Humanities to support the development of new research references for the humanities such as bibliographies, indexes, directories, and catalogs. Small grants in the \$10 to \$15,000 range are awarded prior to formal proposals for surveys and feasibility studies. There are no deadline dates for small grant proposals. Regular proposal deadlines are Nov. 18, 1974, and May 6, 1975, with a request for advance draft proposal submission requested when possible. For information and application procedures, contact: Research Tools Program, Division of Research Grants, NEH, Washington, D.C. 20505 (202-363-9359) (Ref. NEH memorandum 8/28/74).

(14-7) The National Cancer Institute's Cancer Control Program (CCP) supports grant programs to identify, field test, evaluate, demonstrate and promote the widespread application of methods and techniques for reducing cancer incidence, morbidity and mortality. CCP does not support basic

and clinical research, except in rehabilitation. Program activity is divided into: (1) prevention (including making people responsive to prevention efforts); (2) detection, diagnosis, and pre-treatment evaluation; (3) treatment, including diagnostic design and assessment of screening-detection systems; and (3) treatment, rehabilitation and continuing care (including psychosocial, counseling and nutritional). Research in the areas of epidemiology, statistics and techniques to refine same are desired. Applications (NIH 398) must be received by Nov. 1, 1974. Subsequent deadline dates are Feb. 1, 1975, and June 1, 1975. Direct inquiries to: Dr. Diane Kirk, Assoc. director for cancer control, Room 732, Biostat Building, 8300 Colesville Rd., Silver Springs, Md. 20912 (301-677-7998) (Ref. NIH Guide Announcement 8/14/74).

(14-7) The Office of Education has announced an Oct. 15, 1974, final closing date for receipt of applications for competitive continuation grants under its Handicapped Physical Education and Recreation Training (CFDA 13-481) and its Handicapped Teacher Education (CFDA 13-451) programs (Part 0 of the Education of the Handicapped Act, 20512). This information has been distributed (Ref. 39FR32570, 9/9/74).

(14-7) The WAS-CAS General (320 S. 19th St., Philadelphia, Pa. 19107, phone 215-245-2430) invites applications for Marshall Scholarships for two years of graduate study in Great Britain starting in 1975. Applicants must be U.S. citizens and have a B.A. degree. Expenses include a monthly stipend of 76 pounds, tuition, a small book and travel allowance, round trip fare, and (sometimes) a dependency allowance. For further information and application forms, write to the above address or to the British Embassy, Information Dept., 3000 Massachusetts Ave., Washington, D.C. 20008. Office line is Oct. 22.

Staff vacancies

University faculty or staff members who are interested in any of the staff exempt or staff non-exempt jobs listed below may apply by calling Employment Division, 865-1387 (Network Line 475-1387). Do not call the office having the vacancy. Applications will be accepted until 5 p.m., Oct. 3, 1974.

ASSISTANT HERDSMAN, COLLEGE OF AGRICULTURE — University Park

Oversee the feeding, watering and general care and maintenance of the college's sheep and cattle. Feeding of feed, bedding of pen areas and cleaning; determine modification of feeding rates and management practices in accord with individual animal performance; responsible for maintenance of health programs; attend animals at parturition and newborn animals; treat or refer sick animals to veterinarian; administer proper preventive health programs; prepare and exhibit animal for shows and sales. This is a sheep herdsman position. An associate degree, or equivalent, in animal sciences plus one to two years related experience are preferred.

ELECTRON MICROSCOPIST, COLLEGE OF AGRICULTURE — University Park

Prepare specimens for electron microscope examination; include fixing, embedding, sectioning, shadowing, mounting and other phases of photography; perform minor maintenance on electron microscope; instruct faculty and students in the operation, preparation of specimens, and use of electron microscope; and supervise operation and assume responsibility for microscopy laboratory and equipment. Bachelor's degree or its equivalent in agriculture or one of the life sciences, plus a large amount of experience, or two to four years experience, or an associate degree or its equivalent plus two to four years of experience.

RESEARCH AIDE, COLLEGE OF AGRICULTURE — University Park

Perform chemical analysis for various mineral elements in sewage sludge, plant and animal tissues; perform biochemical analysis for various amino acids, tissue fraction and body fluids; collect tissues and body fluids and properly prepare for analysis; and summarize and report the results obtained in investigation. Bachelor of science degree in or related to the field of chemistry, or chemistry or biochemistry, plus 6-12 months of related experience are preferred.

ASSISTANT SPORTS INFORMATION DIRECTOR — WOMEN'S SPORTS, COLLEGE OF HEALTH, PHYSICAL EDUCATION & RECREATION — University Park

Responsible to the Sports Information Director for writing original features and reports on women's athletic teams and individuals; prepare original material for brochures and coverage of athletic events on and off campus and maintain contact with various media representatives interested in women's sports information. Also responsible for assisting in general public relations work and serving as spokesperson for women's intercollegiate athletics. Bachelor's degree or equivalent in journalism and one to two

William Elliott to be awarded medal Oct. 3

William Elliott, chairman of the Executive Committee of the Philadelphia Life Insurance Co., who has made it possible for Penn State's first endowed chair will be awarded the Penn State Medal of the University.

The Medal was established by the Board of Trustees in 1957 "to recognize and honor achievements of persons who perform continued dedicated service toward the betterment of higher education in Penn State."

William Elliott Chair is designated to the College of Business Administration and will in its beginning provide special emphasis on the insurance industry and business management. Until the appointment is made, portions of the endowment income are being used under the direction of the dean for special lectures, seminars, and symposiums for the enrichment of educational benefit particularly of the students and faculty in the College.

The first of the 1974 lectures will be held on Oct. 3, and on that occasion the Penn State Medal will be presented by President John W. Oswald to Mr. Elliott.

years experience in sports writing for whom athletic programs are preferred. Advanced research preparation is desired.

POLICE SERVICE OFFICER, DEPARTMENT OF UNIVERSITY SAFETY — University Park

Responsible for carrying out the functions of police service in the University Park area. Must be a graduate of a police academy with a good and good order of the community, excellent knowledge of the laws, public safety and investigation. A bachelor's degree, or equivalent academic hours, and appropriate law enforcement experience are required.

AREA REPRESENTATIVE, CONTINUING EDUCATION — Allentown, Campus

Responsible for the functions of development, organization, operation, and administration of Continuing Education programs and services within a designated geographic district. Must have a bachelor's degree, or equivalent, and two to three years of experience in business, industry or education are preferred.

STUDENT ACTIVITIES COORDINATOR — Carlisle Campus

Responsible for the development of activity programs to be planned and carried out by student organizations. Social and cultural programs are also connected with this position. Work done with all campus organizations. Evening or weekend work is necessary for full implementation of campus programs. Serve as a member of the Student Affairs Council involved in all areas of the student life program. Must possess the equivalent in an appropriate area of student personnel work and two to four years of experience in student activities or related area are preferred.

Program review offers chance for 'faculty development'

Editor's Note: With undergraduate program review now in process, Dr. Robert E. Dunham, vice president for undergraduate studies, has passed along this letter from a Penn State faculty member. It points up Dr. Dunham's hope that all faculty will become actively involved in the process of program review to take advantage of this unique opportunity to ask searching questions about what they are doing.

Stimulated by our conversation Monday evening, I'd like to pass along to you some of my reflections on Undergraduate Program Review as they have developed in my own thinking and in my observations of and participation in the early stages of the department evaluation.

As I consider the document charging us to conduct a review of our programs, I realize how we may best do that. I recognize a need of my own and of other faculty which has not yet been spoken to: our need of evaluation procedures to ensure the most productive outcome. It has been suggested that the Program Review Subcommittee members might receive special training, a procedure in our College which would involve many individuals, a number sought to see a healthy review process throughout the College. However desirable addressing this group may be, though, their entrance into the review process comes a little late to ensure maximum return on investment of faculty time. What I mean is that a lot of floundering may be then have needlessly occurred, and so, it seems to me, we should attempt to assist faculty in each of the programs in the College prior to the Subcommittee stage.

Whether formal or informal, to take, and some instances none may be needed,

ed, the spirit of the correspondence program to review themselves is to me a helpful and suggestive one. If we are "to encourage the process of continuous review of academic quality and relevance or appropriateness of undergraduate programs, we must first encourage the result in an assessment which is primarily characterized by candor, brevity and straightforwardness," then widespread, grass-roots faculty participation seems to be necessary.

A program review conducted by a committee, even when that committee invites broad faculty participation and even when draft reports of the committee are subject to individual faculty review, is not what seems to be called for. As I see it, the responsibility for the evaluation of a program faculty is to spur participation in the evaluation process, by anticipating as many of the problems as can be anticipated, by suggesting procedures to be employed, by assembling and articulating the findings, and throughout, by being the conduit through which procedural Review information gets to the faculty and finally from this review, I see back to the faculty. In other ways, then, I see undergraduate teachers working together to evaluate a program and thereby to renew it as their understandings of and commitments to undergraduate instruction are regenerated. It would be easy, and meaningless, to warn over traditional statements of objectives, for example, but it will be difficult and rewarding to join with a group of colleagues to conduct this inquiry, reassessment and re-education.

For instance, on the item of program objectives, the important job is not simply to state the aim of a requirement or the

principle which dictates it may be a requirement. The needful thing is to show in our review how a principle is manifest in each requirement. That showing, I maintain, will require a discovery or rediscovery of some of our assumptions, assumptions which we as immediate members of a department may share but which others, including students, may not and which must therefore be articulated for our and their benefit as a basis for continuing evaluation and strengthening of undergraduate programs.

Well, I see I'm capable of getting rhetorical about this, but I believe that the call for Undergraduate Academic Review is timely, and I'd like to help see it conducted thoroughly and profitably within my department, College and throughout the University.

When I think specifically about the form which assistance to program faculty from the College or University level might take, a number of possibilities occur:

1. As the Review proceeds, term-by-term, what has been learned about helpful evaluation procedures while conducting one program review may be shared.
2. The College of Education has already been asked to evaluate recent review of undergraduate programs. Could people there be of help to us?
3. Are there experienced evaluators who could be employed as consultants to small groups within the College? Shouldn't program faculty be encouraged to make use of known experts in this business?
4. Encouragement by you of extensive and grass-roots discussion of and participation in the review process would help to distinguish perfunctory or merely formal evaluation.

5. A convening and instructing of the membership of the Program Review Subcommittee might be useful. They can help to inform, enlighten and educate the Review process beyond its first stages.

6. A College meeting of program faculty involved in each term of the Review could be employed to initiate contact and to share ideas. Perhaps, though, an address at the individual program level would be more effective. Wherever addressed, such meetings would help to create a sharp profile for the Review process. This meeting could help in many specific ways, e.g., by providing an explanation of the timetable of the Review. November it seems awfully early to require the completion of program faculty review in the department when we've scheduled for winter 1975. I think I and others may come to understand the mechanism by which a Program Review Subcommittee may communicate with a program faculty during the winter term. But still, I personally think that deadline is too early if I am to believe that "the review process . . . is more important than the product. And I do."

I'm sure there are many other avenues of assistance we could discover, but whatever they are, they are acknowledged as assistance in conducting a meaningful undergraduate program evaluation. We are entered upon an educational process, one which will enlarge and clarify our understanding of our professional selves and thereby permit greater growth and change of the kinds we've recently been talking about. That is what I understand "development" to be, and there may also be lessons in governance in it, too. To me and to many, the Review is a challenge.

PENN STATE intercom

Volume 4, Number 5

October 3, 1974

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

Retirement law amendments noted

University employees who are presently members of the State Employees' Retirement System and who were former members of the Public School Employees' Retirement System in Pennsylvania should be aware of new legislation presently being considered in Harrisburg. This proposed piece of legislation (House Bill 2522) contains changes similar to those found in Act 31, the recodification of the State Employees' Retirement Code.

Under present retirement law, a University employee is permitted to reinstate any former credit in the Public School Employees' Retirement System by making a lump sum repayment of the amount refunded when he or she terminated from the public school system. Interest charges have not been required in the past. If House Bill 2522 becomes law in its present form, however, interest charges will be included in the repurchase price. If interest is calculated from the date of termination from the school system, it could substantially increase the cost of reinstating former school credit.

University employees with former credit in the school system may obtain additional information about their old account and the new proposed legislation by corresponding directly with Mr. Frank Cashman, Secretary, Public School Employees' Retirement System, Box 125, Harrisburg, 17108.

PLIMPTON AS AMATEUR

George A. Plimpton, author and lecturer best known for his personal stories of professional athletics, will be the Colloquy speaker Friday, Oct. 11, at 9:30 p.m. in the new University Auditorium.

He will speak on "The Amateur among the Pros."

A contributing editor to the "Paris Review" since 1953, Plimpton has written a number of books, including "Paper Lion," perhaps his best known. He was also editor of "American Journey: The Times of Robert Kennedy" and of various volumes of "Writers at Work." He is a special contributor to "Sports Illustrated."

A graduate of Harvard University in 1948, Plimpton earned an M.A. degree at Cambridge (England) and an L.H.D. at Franklin Pierce College. He taught at Barnard College in 1956-58.

Admission to Colloquy events is free.

WOMEN'S VOLLEYBALL

A West German national women's volleyball team will match skills this evening (Thursday, Oct. 3) with an Eastern Regional U.S. women's team in Rec Hall, at 8 p.m. Tickets, priced at \$2 for non-students and \$1 for students, may be purchased at Rec Hall before the event begins. The Penn State Volleyball Club is sponsoring the match.

The West German team is enroute to World Cup games at Mexico City and played St. John's University in New York last evening and will play in Baltimore Saturday.

PRINT GIVEN MRL

"Succubus," a photo silkscreen print by Donald E. Emery, has been presented to the Materials Research Laboratory by the artist. Entered in the recent "Beauty in Science; Science in Art" exhibition at MRL, the print was given an honorable mention. Emery is an instructor in fine arts at Santa Monica College and has exhibited nation-wide and abroad.

BEHREND ATHLETIC AID

A Warren Behrend Athletic Fund will benefit student athletes at Behrend College. Established by friends, faculty and alumni, the Fund honors the memory of the son of the late Mary and Ernest Behrend, who donated the estate in Erie which made possible the founding of the College. Warren was a promising athlete at Deerfield Academy when he died at the age of 19 in December, 1930, in an automobile accident.

CAPITOL FUNDS

The Harrisburg Branch of A.A.U.W. has

(Continued on page four)

Faculty to contribute to Press book

Publication planned for bicentennial

A cross-section of life as it was in the Keystone State at the time of the Declaration of Independence will be described in words and pictures by Penn State faculty in a book scheduled for publication in 1976 by the University Press.

"Pennsylvania 1776," authorized by the University's Bicentennial Commission, will deal not only with historical events of the period but also with everyday life among the people of the Commonwealth.

How and where they worked, on farms and in cities, the famous and obscure, men and women, young and old — the intent is to recreate their milieu as vividly as possible, according to Dr. Robert A. Secor, associate professor of English at the University and general editor of the project under the auspices of the American Studies Program.

Approximately 100 faculty members from throughout the University will contribute their specialized knowledge to the book, which will contain about 60,000 words and some 60 pictures.

Assisting Dr. Secor will be John Pickering, editorial director of the Press. The picture editor is Irvin Richman, chairman of American studies at Capital Campus. An editorial board, comprising six faculty members, includes: Philip S. Klein, emeritus professor of American history; John B.

Frantz, associate professor of American history; Bruce A. Rosenberg, professor of English and comparative literature; Hugo A. Meier, associate professor of history; Irwin Feller, professor of economics; and Dr. Richman.

In addition, the editors will consult with a number of associate editors and contributing authors drawn from the various Colleges and Campuses of the University. Those who have already agreed to contribute in their area of specialty are:

Heleen E. Bell, associate professor of home management extension; Leo A. Bressler, retired associate professor of English; Ira V. Brown, professor of American history; Robert L. Butler, professor of biology; Donald M. Croft, assistant professor of rural sociology; Harold E. Dickson, emeritus professor of art history; Ronald L. Filippelli, associate librarian; Robert J. Graham, associate professor of humanities and American studies (Capitol); Theodora Graham, instructor in humanities and education (Capitol); Dale B. Harris, professor of psychology; Luther H. Harshbarger, professor of humanities and religious studies; Warren W. Hasterer, Jr., professor of American history; Thomas Jable, instructor in physical education (McKeessport); Arthur O. Lewis, Jr., associate dean and professor

(Continued on page four)

U. Council endorses summer change

The University Council meeting last week endorsed a recommended calendar for the 1975 Summer Term at the University.

Council and the University Faculty Senate are among several University bodies being asked to respond to the proposal made by the President's Calendar Commission.

Dr. Asa J. Berlin, chairman of the President's Calendar Commission, described the plan in detail at the Council meeting. He said the proposal is for Summer Term, 1975, only and does not represent a continuing recommendation.

In other business, Council heard a report from student members Mark Single

and Thomas Amrhein on the transferability of meal tickets by Commonwealth Campus students visiting University Park. They reported that a pilot program is being planned for the Spring Term. Under the proposal, students at the Commonwealth Campuses which have food service may purchase a transfer meal ticket at the Campus. The transfer ticket, available at reduced cost, would be honored with an identification card at University Park.

On a recommendation from graduate student member Kenneth Novak, Council decided to examine the University policy on confidentiality of records. The matter is to be placed on the agenda for Council's next meeting on Oct. 17.

GSA bills approved total \$5.6 million

Bills asking for appropriations totalling more than \$5,582,000 for General State Authority projects at the University were approved in the State Senate at Harrisburg Sept. 24.

One would provide \$3,750,000 for air-conditioning various buildings, primarily older buildings with classrooms heavily used during the summer months, and another would provide \$650,000 for expansion of utilities at the University Park Campus. Both were introduced by Sen. Joseph S. Ammerman, Curwensville, 34th Dist., and Sen. Thomas M. Nolan, Turtle Creek, 44th Dist.

Another bill for \$1,182,000, introduced by Sen. James E. Ross, of Beaver, 47th Dist., and Senator Nolan, would provide for construction of a laboratory building at the Beaver Campus at Monaca.

The utilities program includes a number of projects, involving water, heating, and electrical lines that need to be improved or constructed to improve efficiency of utilities operations.

Clarence Walton is Elliott lecturer

Dr. Clarence C. Walton, president of the Catholic University of America, will deliver the William Elliott Lecture today (Oct. 3) at 4 p.m. in Room 101 Kern Graduate Bldg. The lecture is sponsored by the College of Business Administration.

His subject is "Historical Perspectives on Contemporary Business."

Dr. Walton became the first lay administrative head of Catholic University in 1969. Earlier, he had been dean of the School of General Studies at Columbia University from 1964 to 1969, after serving as associate dean of Columbia's Graduate School of Business. He was dean of the School of Business Administration of Duquesne University from 1954 to 1958.

A native of Scranton, he received the bachelor of arts degree from the University of Scranton, the master of arts from Syracuse University, and the doctor of philosophy from Catholic University. In 1951-52 he held a fellowship at the Institute of Advanced International Studies, Geneva.

News in brief

LE TRETEAU

Eugene Ionesco's tragic play, "Le Roi Se Muert," will be performed October 14 by the French theatrical troupe, Le Treteau de Paris, which since 1958 has toured American colleges and universities.

The performance will be given in Schwab Auditorium, beginning at 8 p.m. Tickets are now available from Dr. Isabelle Armitage, department of French, 5404 Burrows Bldg., and after Oct. 7 will be on sale at the HUB desk Monday through Friday, 8 a.m. to 5 p.m. They will also be sold at the door.

Called by Clive Barnes "Ionesco's most moving play," "Le Roi Se Muert" opened in New York in 1968. It is a parable on the death of power.

RENAISSANCE SCHOLARS

Members of the Board of Trustees and Renaissance scholars of the University met at an informal luncheon Sept. 20. There are currently 49 such scholars, two of them at Commonwealth Campuses, the others at University Park. The Renaissance Fund, started four years ago by five members of the Board, has been aided by contributions of alumni and friends and by gifts of the Class of 1971 and corporations.

ARTISTS SERIES

The Paul Winter Consort continues the current Artists Series Friday, Oct. 4, with a program in Schwab Auditorium at 8:30 p.m. If tickets remain, they are on sale at University Auditorium box office. It has been announced that the Agnes de Mille dance company, cancelled the rest of its tour and will not appear here later in the month. Instead, the Senegalese Dance troupe will perform Oct. 13. It has also been announced that future showings of the Ingmar Bergman film series will be made in University Auditorium because of the great interest shown.

APPROPRIATION BILL

A bill introduced in the State Senate at Harrisburg last week would appropriate \$17 million dollars to the University to enable the University to pay the employer's share of the additional mandated contributions to the State Retirement System.

The additional costs were placed in effect after the request for the 1974-75 appropriations had been submitted.

The bill introduced Tuesday was sponsored by Sen. Joseph S. Ammerman, of Curwensville, 34th Dist.; Sen. Henry J. Clairman, Philadelphia, 1st Dist.; and Sen. Richard C. Frame, Franklin, 25th Dist.

Deaths

Dr. N. Bedford, assistant professor of engineering at Behrend College, died suddenly in his home in Erie Thursday evening, September 19. Bedford was a graduate of the University of Missouri with a bachelor of science degree in electrical engineering and held a master's degree from the University of Notre Dame. He had completed all the course work toward the Ph.D. in electrical engineering at Carnegie Mellon University. He joined the University staff in September, 1961, teaching a variety of engineering courses until the time of his death. He is survived by his wife and three daughters; he was 48 years of age.

Dr. Edward H. Dusham, professor emeritus of entomology, died on Wednesday, Sept. 25, at the age of 87. He served as a member of the faculty from 1913 until his retirement in 1951, except for a period between 1916 and 1918 while he was working toward the doctor of philosophy degree at Cornell University. In 1918 he became head of the department of zoology and entomology. He received his bachelor of arts degree in 1910 from Dartmouth College and his master of science degree in 1915 from Penn State. The doctor of philosophy degree was conferred on him by Cornell University in 1924.

Honors

The late Dr. Darrell Walker, who was head of the department of horticulture until his death in July, 1973, was honored posthumously by All-American Selections, for "his tireless work in maintaining a strong horticulture department at Penn State and for excellence in teaching horticulture." The medallion awards were presented during the recent International Seed Conference at Penn State.

Leave

Dr. J. Dean Jansma, professor of agricultural economics, began a leave last week, which will extend until mid-June, 1975, to teach at the University of Florida as a visiting professor.

Retirement

Col. Thomas J. Collins, Jr., U.S. Army Corps of Engineers, professor and head of the department of military science at the University, retired Sept. 30. He served in the position from 1971. He had been stationed at Penn State ten years earlier as assistant professor of military science and director of instruction with the Army Reserve Officer Training Corps unit, serving from 1961 to 1964. A graduate of Johns Hopkins University with a bachelor of engineering degree, he also holds the bachelor of science degree in civil engineering from the University of Missouri and the master of science degree in civil engineering from Penn State. He was a Distinguished Military Graduate at Johns Hopkins in 1950. He also holds diplomas in military education from the Engineer School, Officers Advanced Course; the U.S. Army Command and General Staff College, Operations and Logistics; and the U.S. Navy Post Graduate School, Defense System Management Course. He is a registered professional engineer in Missouri and Pennsylvania. His 24 years experience with the U.S. Army Corps of Engineers includes service as a company commander in Korea; chief of engineering, 7th Engineer Brigade, in Europe; senior design and engineering advisor to ARVN chief of engineers and facilities planning advisor to the Director of Logistics, RVNAF, in Vietnam; staff officer and director of Army General Staff in the Pentagon; and civil engineering officer, Directorate for Logistics, Joint Staff, Organization of the Joint Chiefs of Staff at the Pentagon, Washington, D.C.

Century of service noted in four faculty awards



Dr. Thomas Wark, dean of the College of Science, presented 25-Year Service Awards to Dr. James F. Wright, Jr. (left photo) and Dr. James J. Fritz. Dr. Wright, professor of genetics, has special research interests in the genetic control of blood types and of enzymes and other soluble proteins in trout, and in the hybridization and speciation in the trout and pike families of fish. A graduate of the University of Georgia, with a plant pathology major, he received a Ph.D. from Cornell University in 1950. He joined the Penn State botany department faculty in 1949 and was named professor of genetics in 1960. He received a citation for excellence in teaching in 1960. He was chairman of the interdisciplinary graduate program in genetics in 1956-59. In 1970, he took a leave to serve as consultant to Marine Protein Corporation, on the ap-

plication of cultural and breeding techniques on commercial production of fish protein. Dr. Fritz, professor of chemistry, has specialized in low temperature research working in the Cryogenic Laboratory. He joined the faculty in 1949 after receiving his Ph.D. at the University of California and serving as a research associate for a year at Ohio State. He is a 1939 Penn State graduate with an M.S. degree from the University of Chicago. He was a Guggenheim Fellow at Ohio State University in 1961-62 for low temperature research and studies in the theory of magnetism. In 1971-72 he was on leave to serve as visiting lecturer at Osaka and Kyoto Universities in Japan, to visit the physical chemistry department at Oxford, and to do research at the Magnetism Laboratory, Grenoble, France.



Dr. Hugh Chapman, Jr., center in right photo, is professor of Romance languages interested especially in the relationships between French, Spanish, German and English literature. He is a graduate of Oberlin University, receiving advanced degrees from Harvard, and has taken additional work at the Sorbonne, University of Mexico, U. of Freiburg at Breisgau, and U. of Lausanne. He was an instructor in Romance languages at Rutgers for two years before coming to Penn State in 1949. In 1971-72 he was on leave to do research in connection with a volume on La Rochefoucauld. He has had a variety of offices in three sections of the Modern Language Association and locally has served as president of Phi Eta Kappa.

Appointments

Dr. Helen M. Thal, as professor of home economics education. She was director of educational services of the Institute of Life Insurance, with which she has been associated since 1945. She was assistant professor of English at Hood College from 1945 to 1945. A graduate of St. Olaf College, she received an M.A. degree in journalism from State University of Iowa and O.E.D. degree in home and family living from Teachers College, Columbia University, where she was an instructor while earning her degree. She is a member of the Board of Regents of St. Olaf College and a past president of the American Home Economics Association.

Dr. Thomas J. Jech, as professor of mathematics. He has been serving since 1959 as associate professor of mathematics at SUNY at Buffalo. He received his degrees from Charles University, Prague; Czechoslovakia, and has been a member of faculties at the University of Bristol, England, U.C.L.A., and Princeton University. He was a member of the Institute for Advanced Study at Princeton in 1972-73.

Dr. John D. Lewis, as visiting professor of political science for the Fall Term. A specialist in political theory, he taught at Oberlin College 1935-72, at one time serving as acting chairman of the political science department. A graduate of Oberlin, he received advanced degrees from the University of Wisconsin. During the past two years he has been a visiting professor at Colorado College and at Case Western Reserve University. **Dr. Matthew J. Bruman**, as visiting professor of education for the Fall Term. He is director of the Grinter Environmental Center, Milford, Pa., and is international director of the UNESCO Conservation Curriculum Development Project for Venezuela; environmental editor of J. G. Ferguson Publishing Co. (Doubleday); and consultant for the Office of Environmental Education, U.S.O.E., and the U.S. National Commission for UNESCO. At Penn State, he is serving in the Department of Academic Curriculum and Instruction in the College of Education. He has taught at Manhattan, Columbia, Jersey City State, Rutgers, and Fitchburg (Mass.) State College. From 1963 to 1970, he was director of the Pinchot Institute for Conservation Studies and adjunct professor of conservation and education at the University of Pittsburgh.

Dr. Peter R. Adams, as associate professor of chemistry at the York Campus. He received his B.S. and Ph.D. from Queen Mary College, London. An organic chemist, he has been an assistant professor of pediatrics at The Johns Hopkins University School of Medicine since 1971.

Dr. Kevin O. Anderson, as associate professor of German. He was formerly assistant professor of Southern Illinois University and the University of Colorado. He is a University of Minnesota graduate with advanced degrees from the University of Colorado.

Dr. William L. Eck, as associate professor of health education. A graduate of Springfield College, he has an M.S. from the University of Massachusetts and a O.E.D. from New York University in school health administration. He has been associated with the Great Neck, N.Y., public schools for the past 24 years.

Dr. Winand K. Hock, as associate professor of plant pathology and extension pesticides specialist. A plant pathologist with the Maryland Dept. of Agriculture, he was a research plant pathologist at the U.S. Dept. of Agriculture. He has an M.S. from Penn State and an M.S. and Ph.D. from the University of Maryland in plant pathology.

Vol. 4, No. 5 Oct. 3, 1974
Penn State INTERCOM is a weekly publication for the academic community of The Pennsylvania State University, published each Thursday when classes are in session. General information and items for this calendar should be sent to the editor by Thursday of the week preceding publication date, Room 312 Old Main.
Editor: W. F. Ackerman Phone 865-7517

University Park Calendar

October 3-13, 1974

SPECIAL EVENTS

Thursday, October 3 — Sports: West German Women's National Volleyball Team vs. U.S.A. Eastern Zone National Team, 8 p.m., Rec. Hall.

Friday, October 4 — Artists Series: Paul Winter Consort, 8:30 p.m., Schwab.

Friday, October 4 — Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

Saturday, October 5 — Paul Winter Consort, program of Charles Ives music, 8:30 p.m., HUB ballroom.

Sunday, October 6 — Chapel Service, 11 a.m., Chapel 15.

Sunday, October 6 — Chapel Stelver Stanton, Campus Ministry, Morgan State College.

Sunday, October 6 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

Sunday, October 6 — Sigma Delta Epsilon, women in science society, 2:30 p.m., Room 101 Kern. Dr. Richard C. Cunningham, vice president for research and graduate study, on "Women's Role in Research at Penn State." New graduate students in science welcomed.

Monday, October 7 — Robert Trehy, voice recital, 8:30 p.m., Music Bldg. recital hall.

Tuesday, October 8 — Sports: Women's field hockey vs. Bucknell, 2:30 p.m.

Tuesday, October 8 — Artists Series Film Festival, "The Naked Night," Ingmar Bergman, 8:30 p.m., Univ. Auditorium.

Wednesday, October 9 — Sports: Soccer vs. Bucknell, 7:30 p.m., Jeffrey Field.

Wednesday, October 9 — University Theatre student preview, "The Seagull," 8 p.m., Pavilion Theatre.

Wednesday, October 9 — Musica da Camera, 8:30 p.m., Music Bldg. recital hall.

Thursday, October 10 — Sports: Women's field hockey vs. Virginia, 8 p.m.

Thursday-Saturday, October 10-12 — University Theatre, "The Seagull," 8 p.m., Pavilion Theatre.

Friday, October 11 — University Readers, 8 p.m., Room 102 Kern.

Friday, October 11 — Colloquy, George Plimpton, author, on "The Amateur among the Pros," 9:30 p.m., University Auditorium.

Friday, October 11 — Groove Phi Groove, 8 p.m., Room 220 Willard.

Friday, October 11 — Sports: Soccer vs. Army, 7 p.m., Jeffrey Field.

Friday, October 11 — Genetics Symposium, 1-5 p.m., Room 102 Kern.

Friday, October 11 — Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

Saturday, October 12 — Sports: Football vs. Wake Forest, 1:30 p.m., Beaver Stadium, Homecoming.

Saturday, October 12 — Penn State Glee Club Homecoming Concert, 7:30 p.m., University Auditorium.

Sunday, October 13 — Chapel Service, 11 a.m., Music Bldg. recital hall. The Reverend Nelson Frank, former pastor of St. Paul's United Methodist Church, State College.

Sunday, October 13 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

Sunday, October 13 — Artists Series, Senegalese dance group, 3:00 and 8:30 p.m., University Auditorium.

SEMINARS

Thursday, October 3 — Natural Disasters, 2:20 p.m., Room 220 Willard. Dr. Barry L. Myers, Business Law, "Legal Control of Flood-Prone Areas."

Thursday, October 3 — Agronomy, 3:45 p.m., Room 111 Tyson. Dr. Rufus Cheney, USDA, Washington, D.C., on "Heavy Metal Contamination in Soils via Waste Disposal."

Thursday, October 3 — Physics, 3:55 p.m., Room 117 Osmond. Helmut Fritzsche, James Frank Institute, University of Chicago, on "Amorphous Semiconductors."

Thursday, October 3 — Chemistry, 12:45 p.m., Room 333 Whitmore. John Ross, M.I.T., on "Chemical Irreversibilities."

Thursday, October 3 — Acoustical Society and Engineering Acoustics Graduate Program, 4 p.m., Room 711 Willard. Dr. Francis Frenn, Westinghouse Corp., on "Present Trends in Nonlinear Acoustics."

Thursday, October 3 — Mathematics, 4 p.m., Room 102 McAllister. N. Grossman, on "Examples of Bang-Bang Controls in Infinite Dimensions."

Thursday, October 3 — Philosophy, 4 p.m., Room 351 Willard. Dr. John Anderson on "Philos."

Thursday, October 3 — Meteorology, 3:55 p.m., Room 26 Mineral Sciences. Dr. A. K. Blackadar on "Progress on a Comprehensive Theory of Turbulence in the Atmosphere: Surface Layer." **Friday, October 4 — Computer Science, 4 p.m., Room 101 Altohouse.** Dr. S. C. Johnson, Bell Laboratories, Murray Hill, N.J., on "Code Generation on a Machine with Direction."

Friday, October 4 — Physical Chemistry, 4 p.m., Room 333 Whitmore. L. Batt, University of Aberdeen, on "Decomposition of Methyl Nitrate and Dimethylperoxide: Thermal Sources of Methoxy Radicals."

Monday, October 7 — Plant Pathology, 9:45 a.m., Room 213 Buckhout. Joe Hill, on "Studies in the Occurrence of Ecological Races within 'Helminthosporium maydis' race T."

Monday, October 7 — Environmental Problem Solving, 8 p.m., Room 105 Forum.

Monday-Tuesday, October 7-8 — Biochemistry, 11:10 a.m., Room 101 Altohouse. Dr. Harold Farrell, Jr., Eastern Regional Res. Center, U.S. Department of Agriculture, Phila., on "Phosphoproteins of Milk — I. Casein Micelle Structure and Formation." "II. Phosphorylation of Casein by a Protein Kinase from the Golgi Apparatus of Lactating Mammary Glands."

Tuesday, October 8 — Air Pollution Control, 2:20 p.m., Room 140 Fenske. Alice M. Gitchell, Environmental Protection Specialist, Department of Environmental Resources, Bureau of Community Environmental Control, York, Pa., on "The Realities of Enforcement in Air Pollution Control."

Tuesday, October 8 — Natural Disasters, Meteorology and Geosciences, 2:20 p.m., Room 220 Willard. Dr. Larry Voight, geology, on "The Valpud Dam Landslide."

Wednesday, October 9 — Analytical Chemistry, 11:30 a.m., Room 333 Whitmore. Dr. Reed Williams, duPont, on "New Developments in Liquid Chromatography."

Wednesday, October 9 — Remote Sensing, 4 p.m., Room 204 Electrical Engineering. West. David P. Gold, geology, and Wilina Kowalik, on "Lineaments from ERTS images and their correlation with Mineral Occurrences in Southwestern Pennsylvania."

Thursday, October 10 — Natural Disasters, Meteorology and Geosciences, 2:20 p.m., Room 220 Willard. Dr. Larry Voight, meteorology, on "Hurricane Disasters."

Thursday, October 10 — Physics and Chemistry, 3:35 p.m., Room 117 Osmond. P. A. Egelsstaff, University of Guelph, on "Theory of the Liquid State."

Thursday, October 10 — Meteorology, 3:55 p.m., Room 26 Mineral Sciences. Dr. F. Pasquill, Meteorological Office, Bracknell, Berks, England, on "Recent Activities in Boundary Layer Research in the Biological Office."

Thursday, October 10 — Biophysics, 4 p.m., place to be announced. Jack Groski, University of Wisconsin, on "The Evolution of a Model of Steroid Hormone Action."

Thursday, October 10 — Nuclear Engineering, 4 p.m., Breazeale Nuclear Reactor. Dr. Robert A. Shaw, Clarkson College of Technology, Potsdam, N.Y., on "Corrosion Product Radioisotope Concentration in BWR."

Thursday, October 10 — Agronomy, 3:45 p.m., Room 301 Ag. Adam, Dr. Dan Knievel on "Crop Physiology Research at WILPA Castalar."

Friday, October 11 — Ceramic Science, 3 p.m., Room 301 Mineral Industries. Dr. F. L. Kennard, General Motors Corp., on "ZrO₂ Sensors."

Friday, October 11 — Physical Chemistry, 4 p.m., Room 333 Whitmore. Harold G. Munson, on "The Effect of Collisions on Molecular Reorientation Correlations from Depolarized Rayleigh Scattering of Dense Fluids."

LECTURES

Thursday, October 3 — College of Business Administration William Elliott Lecture, 4 p.m., Room 101 Kern. Dr. Clarence C. Walton, president, Catholic University of America, on "Historical Perspectives on Contemporary Business."

Thursday, October 3 — Dr. Luis Alberto Sanchez, Peruvian writer-politician-educator, 8 p.m., Room 101 Kern. on "Literature and Politics of the APRA Political party."

Monday-Wednesday, October 7-9 — John Brooke-Little, Richmond Herald at the College of Arms in London, will deliver three public lectures on heraldry, 9 p.m., Room 112 Kern. Monday on "Heralds, Their Origin and Duties through the Ages," Tuesday on "The Development of Army under the Heralds," and Wednesday on "Heraldry as a Living Science and Art Form." The lectures are sponsored by the Interdisciplinary Graduate Program.

Wednesday, October 9 — Division of Environmental Design and Planning, Department of Architecture, 8 p.m., Room 102 Forum. Clifford Stewart, Perry Dean and Stewart Architects, Boston and Washington, D.C., on "Computer Graphics in the Real World." The lecture is cosponsored by the Department of Architectural Engineering, Landscape Architecture, and the Division of Man-Environmental Relations.

FILM

Friday-Sunday, October 4-6 — GSA films, "Animal Farm" and "1984," 8 p.m., Room 112 Kern.

Wednesday, October 9 — Commonsplace Theatre, 8 and 10 p.m., Room 112 Kern. "Chism."

MEETINGS

Saturday, October 5 — American Institute of Planners section meeting, sponsored by Graduate Program in Regional Planning, beginning at 10 a.m. in Room 101 Kern. Session in afternoon with speakers. General section meeting, public invited, 1 p.m., Nittany Lion.

Monday, October 7 — OTIS, 6:30 p.m., Room 203 Hill.

Monday, October 7 — Education Student Council, 7 p.m., Room 111 Chambers.

Tuesday, October 8 — ARHS, 7:30 p.m., Room 309 Boucke.

Tuesday, October 8 — Engineering Undergraduate Council, 7:30 p.m., Room 207 Sackett.

Wednesday, October 9 — USG Academic Assembly, 7:30 p.m., Room 311 Boucke.

Wednesday, October 9 — Biological Society, 7:30 p.m., Room 8 Life Sciences. Geza Teloki, anthropology, and Lori Baldwin on "Field Research on Wild Chimpanzees."

OFFICIAL

Friday, October 4 — Deadline for application for Winter Term Tuition Grants-In-Aid, Room 317 Kern.

EXHIBITS

Museum of Art — Manayunk and Other Places: Francis Speight's paintings and drawings, Galleries A and C. Selections from the permanent collection, Gallery B.

Zoller Gallery — Super Mud '74, opening October 7.

Chambers Gallery — Jeanne Stevens-Sollman, drawings and ceramics.

Kern Gallery — Bob and Susan Duncan, oil paintings.

Funding Opportunities

For procedural and funding source information, call 865-1372.

October 3, 1974

(147-5) The Eighth Annual Report for the National Endowment for the Humanities contains a list of Awards by States for FY1973 calling for the institutions, individuals and projects on or project title in each NEH program area. Single copies are available by calling the NEH public information office (202-382-5721).

(149-1) The National Science Foundation (NSF) has announced competition for National Fellowships in Science for U.S. citizens or nationals. Senior staff may study new scientific techniques and methods, interdisciplinary science fields, and interdisciplinary science fields. Closing date for receipt of applications are Nov. 20, 1974 for a Feb. 15, 1975 award date. For program announcements and application materials contact Dr. Douglas Chapin, Fellowships and Traineeships Section, Office of Higher Education in Science, NSF, Washington, D.C. 20555 (202-252-5595). (Info. NSF Memo 9/9/74)

(149-2) Both preliminary and in-depth comprehensive technology assessments in selected areas will be supported by the National Science Foundation (NSF).

(149-3) The Office of Environmental and Planning (OE) has announced October 18, 1974 as the closing date for the Supplemental Education Opportunity Grant, College Work-Study, and National Direct Student Loan programs (Parts A, C, and E of Title IV) (Info. Ref. 39FR-33015, 9/13/74). The program categories are: Leonard Spearman, Director, Office of Student Assistance, Bureau of Higher Education, U.S. Washington, D.C. 20022 (202-415-2177).

(149-4) INTER-AMERICAN FOUNDATION (1515 Wilson Blvd., Rosslyn, Va. 22209) offers Latin American and Caribbean Learning Fellowships on Social Change at the pre- and post-doctoral level. Fellows affiliate with a host-country institution in Latin America and the Caribbean. Applicants must be interested in the process of social change from a problem-oriented perspective. Occasional centers must have passed a comprehensive examination by the staff of their fellowships. The size of the awards varies. The application deadline is Oct. 1, 1974. For application forms and further information write to the address given above. (Info. Ref. F074-19)

(149-5) AMERICAN ASSOCIATION OF UNIVERSITY WOMEN (Fellowships Office, 2401 Virginia Ave., Washington, O.C. 20037) has 70 dissertation-year fellowships for U.S. women paying \$3000-\$5000 for one year of research and writing. The application deadline is Jan. 2, 1975. Forms are available from the address given above and will be sent only to persons providing the following information with their request: (1) Statement of U.S. citizenship or evidence of permanent U.S. residence; (2) Date of planned or completed date of comprehensive examination (must be on or before Jan. 2, 1975); (3) Institution.

Period for which you wish financial aid (July 1975 for July 1976 or some portion thereof). Awards are based on student's promise and accomplishments as a scholar with special emphasis on significance of his or her contribution to knowledge. Post-doctoral fellowships paying up to \$7500 are also available. (Info. Ref. F074-19)

(149-6) WOODROW WILSON INTERNATIONAL CENTER FOR SCHOLARS (Smithsonian Institution Building, Washington, D.C. 20540) offers post-doctoral appointments for persons wishing to conduct research in Washington. Appointments are normally from four months to one year in duration. Substantial stipends may be supplemented up to the level of normal salary. Research facilities are provided in Smithsonian Institution. For further information, write to the address given above. (Info. Ref. F074-19)

(149-7) ROCKEFELLER FOUNDATION (111 W. 50th St., New York, N.Y. 10020) announces the next deadline for Environmental Affairs post-doctoral studies is Jan. 15, 1975. For further information see Fellowship Opportunities No. 74-14 or write to the address given above. (Info. Ref. F074-19)

(149-8) AMERICAN WATER WORKS ASSOCIATION (American Achievement Award Committee, 6666 W. Quincy Ave., Denver, CO 80235) invites applications for three achievement awards of \$200, \$250 and \$125 for the best graduate theses on a water-supply subject. Application forms may be obtained at the office listed above. Application must be accompanied by a publication manuscript based on the thesis. The application deadline is Oct. 31, (Info. Ref. F074-20)

The Arts: theatre, music, exhibits

The first production of University Theatre will be the Anton Chekhov classic, "The Seagull," opening Wednesday, Oct. 9, at Pavilion Theatre. It will be performed Oct. 9-12 and Oct. 15-20.

The box office in the Arts Building will open October 7 for this and other plays to be offered during the Fall Term.

Two French surrealist plays will be performed in Playhouse theatre, opening Oct. 31, continuing Nov. 1-2 and Nov. 5-9. The plays are "The Breasts of Tiresias," by Guillaume Apollinaire and "The Wedding on the Eiffel Tower," by Jean Cocteau. "Lemon Sky," by Lanford Wilson, will open Nov. 7 at Pavilion Theatre.

Schubert's "Die Winterreise," considered perhaps the greatest song cycle ever written, will be performed by baritone Robert Trehy, associate professor of music, Monday, Oct. 7, at 8:30 p.m. in the Music Bldg. recital hall.

The work, which translated means "The Winter Journey," is a setting of 24 poems by Wilhelm Mueller written by Schubert in 1827.

Accompanying Mr. Trehy will be the noted piano accompanist John Wustman of the University of Illinois, who will also give master classes for students during his campus visit.

Mr. Trehy most recently appeared with the Detroit Symphony. Next spring he will sing with the Pittsburgh Symphony in Heinz Hall in a concert devoted to the work of Rogers and Hammerstein.

Works ranging from Baroque to modern will be performed by Musica da Camera, University chamber orchestra, Wednesday, Oct. 9, at 8:30 p.m. in the Music Bldg. recital hall.

Performing "Sintonia Concertante for Contrabass and Viola," a late 19th century piece by Karl Ditters von Dittersdorf, will be graduate students Paul Yarborough and Janet Conway. The Baroque "Concerto in B Minor for Four Violins" by Vivaldi will be played by Lynn Ritzenhaller, Laura Sardinas, Davis Brooks, Mary Roens and Peter Brye, also graduate students. Mendelssohn's "Sintonia IX" and Hindemith's "Five Pieces" complete the program.

Musica da Camera, directed by Dr. D. Douglas Miller, assistant professor of music, plans concerts throughout the State in the coming academic year.

Twenty photographs of children by noted photographer and Penn State graduate Bruce Horowitz will be shown through October from 1 to 5 p.m. daily in Room 212, Arts Bldg. The exhibit is sponsored by the Department of Art.

Mr. Horowitz will visit the University Oct. 10 and 11, and a public reception is planned on Thursday, Oct. 10, at 8 p.m. in 212 Arts Bldg.

A 1970 graduate of the University, the artist is a youth worker with a community association project in Rochester, N.Y. His photographs are included in such collections as New York's Museum of Modern Art, and he holds an M.F.A. from SUNY at Buffalo.

Super Mud '74, the annual student invitational ceramics show sponsored by the Department of Art, will open Monday, Oct. 7, in Zoller Gallery.

Students from five guest schools will contribute work to be shown with that of Penn State ceramics students, totalling about 40 works expected for exhibit. Invited participant schools this year are the Universities of Chicago, Georgia, Delaware, and Montana, and Ohio State University.

Super Mud is scheduled each year to coincide with the Ceramics Arts Conference at the University, planned this year for Oct. 25 and 26.

Gallery hours for the Super Mud show are 8 a.m. to 5 p.m. Monday through Saturday and noon to 5 p.m. Sunday, through Oct. 26.

The Annual Glee Club Homecoming Concert will be presented Saturday, Oct. 12, at 7:30 p.m. in the University Auditorium, the first a cappella choral group to sing in the new facility.

Directed by Bruce Trinkle, assistant professor of music, the Glee Club's program will include songs by Anton Bruckner and Charles Ives, folksongs and spirituals, a medley of Penn State football songs and the premiere of "Desecration," a composition by music graduate student Richard Victor.

Admission to the annual event, highlighted each year by the collaboration of returning Glee Club alumni in the final Penn State medley, is free of charge.

NEWS —

(Continued from page one)

Established a loan fund for students at Capitol Campus, providing for both long and short term loans, with a maximum amount of \$1,000 per year per student. A Mildred Ride Dunlap Grant Fund has also been established by the Penn State Alumni Club of the Greater Harrisburg Area. The fund, named to honor Penn State's first May Queen who now resides in Camp Hill, will provide \$300 for one year to a full-time student whose residence is in the Greater Harrisburg area and who has a satisfactory academic record and evidence of financial need.

FACULTY SCHOLARSHIPS

Dr. Thomas P. Hettmansperger, associate professor of statistics, and Dr. John L. Bruno, associate professor of computer science, have been awarded National Science Foundation faculty fellowships. Dr. Hettmansperger began his fellowship year as visiting scholar at the University of California at Berkeley, continuing his research in statistics. Dr. Bruno will be at Berkeley beginning in September next year, studying problems of security, privacy and reliability in computer systems.

IN MOSCOW SYMPOSIUM

Dr. John Waber, professor of marine geology, was invited by the U.S.S.R. Academy of Sciences to take part in an All-Union Symposium on Stable Isotope Geochemistry Sept. 30-Oct. 4 in Moscow. He spoke concerning his research on carbon and oxygen isotope fractionation in reef coral skeletons.

NLI ALTERATION PLANS

Final plans for alteration and renovation of the Nittany Lion Inn were approved by the Board of Trustees Sept. 20. The conversion of the coffee shop into two function rooms, improvement of the assembly room, installation of new rest room facilities, and improvement of the lower floor public areas are the principal alterations approved.

Final plans for a multi-purpose building at Capitol Campus have been approved by the Trustees. The \$2,480,500 structure will be used for academic purposes, for assemblies, and for recreational activities.

CAPITOL GALLERY

Three Harrisburg artists will exhibit their works in the newly remodeled Gallery Lounge at Capitol Campus. The exhibit opened Sept. 30 and will continue through Oct. 3. A reception is being held today (Oct. 3) at 7 p.m. to honor the artists, all of whom have exhibited widely. They are Sheron Amment, a Penn State graduate, Gene Suchma, University of Dayton graduate, and Toni Truesdale, a special art instructor in the Harrisburg school system.

LA VIE BOARD

La Vie, the student yearbook, is soliciting applications from faculty and staff members for positions on its Board of Directors. Applicants should have a background or interest in journalism, photography, art, marketing, finance or other fields related to publication. Any interested persons are asked to contact John Black in the Alumni Office, 105 Old Main, 865-6516.

AUCTION

An auction sale at the Salvage and Surplus Warehouse on north campus Saturday, Oct. 5, will feature many items of possible interest to faculty and staff members, including eight executive style electric typewriters (a minimum bid will apply), desks, and other office equipment, and seven or more Econoline vans. The auction starts at 10 a.m.; the vans will be sold beginning at 12 noon.

HUB SPECIALS

Sunday, Oct. 6 — Dinner, pork chop Hawaii, \$1.39; supper, apple-sausage pattie, \$1.05.
Monday, Oct. 7 — Lunch, barbecue on bun and soup, \$2.75; dinner, lamb pot pie, \$13.35.
Tuesday, Oct. 8 — Lunch, ham and lima beans, \$1.85; dinner, spaghetti, \$1.17.
Wednesday, Oct. 9 — Lunch, creamed oiled beef on English muffin, \$1.01; dinner, Canadian bacon with hot potato salad, \$1.29.
Thursday, Oct. 10 — Lunch, lasagne, \$1.22; dinner, \$1.90.
Friday, Oct. 11 — Lunch, grilled ham and cheese sandwich, \$1.10; dinner, baked ham and cheese, \$1.24.
Saturday, Oct. 12 — Lunch, chili con carne, \$6.64; dinner, Chinese pepper steak with rice, \$6.64.

Behrend faculty members abroad

Two Behrend College professors are in Germany and a German professor is at Behrend for the year under Fulbright Commission programs.

Under an International Educational and Cultural Exchange Program, Dr. David P. Daniel, assistant professor of history, is to teach history at Lutherschule Gymnasium in Hannover. Coming from Lutherschule he taught at Behrend in Dr. Helmut Schnitter.

Dr. Daniel, who came to Behrend in 1970 at the completion of another exchange program in Germany, specializes in the history of the Renaissance and Reformation.

Dr. Edwin Masteller, associate professor of biology at Behrend, has received a senior Fulbright Research Fellowship to spend ten months as a researcher at the Max Planck Institute fur Limnologie, at Schilf.

The Max Planck Institute is one of the leading research facilities in the world in the study of limnology — study of aquatic organisms — and Dr. Masteller is studying there with Dr. Joachim Illies. He began his work in August.

Much of his work will center on the study of techniques of determining productivity in lotic systems and in particular techniques which can be applied to the study of the streams in Erie County and their quality of productivity.

Dr. Schnitter, a graduate of the Free University of Berlin which also granted him a D. Phil. was also studied at the University of Zurich. He has taught at various levels in Germany and has also taught at the New University of Ulster, in Northern Ireland. He arrived in Erie in late August.

Staff vacancies

University faculty or staff members who are interested in any of the staff exempt or staff non-exempt jobs listed below may apply by calling Employment Division, 865-1387 (Network Line 42-1387). Do not contact the area having the vacant. Applications will be accepted until:

5 P.M., Thursday, October 17

BUILDING INSPECTOR, PHYSICAL PLANT —
Hershey Medical Center
Responsible to the Chief Inspector for the inspection of construction projects, and for the day-to-day related coordination to assure that the projects are completed in accordance with plans and specifications. High school education plus years of effective experience on building projects at a supervisory level or equivalent. Applicant should have a solid background in building construction along with a knowledge of the applicable building codes.

THE UNIVERSITY IS AN EQUAL OPPORTUNITY EMPLOYER.

Service center needs help of volunteers

The Volunteer Service Center at the University is seeking area residents and high school students to assist its student volunteers.

More than 300 University students visited the Center office during the first week of Fall Term classes to volunteer their time and energy.

However, a spokesman said the increased role of the Center in many diverse areas has created a need for volunteers with special skills, knowledge and experience that can't always be found in the student population.

Future plans for the Center involve continuation and expansion of the present programs, with a focus on reaching people in outlying communities.

Transportation is the primary obstacle in reaching outlying communities. The Center, which deals with an average of 350 to 450 volunteers each term, has only one vehicle for transporting volunteers.

Persons who can assist with the transportation problem or provide other assistance, such as entertaining the Mount Union playground children on a visit to University Park, are urged to contact the Volunteer Service Center, located in Room 215, Hetzel Union Bldg.

Volunteers may visit the center from 8 a.m. to 5 p.m. Monday through Friday or call 865-4341 or 865-3432.

Three lectures in heraldry planned

John Brooke-Little, Richmond Herald at the College of Arms in London, will deliver three illustrated public lectures on heraldry Monday through Wednesday, Oct. 7, 8 and 9, at 8 p.m. in Room 112 Kern.

He will speak on "Heralds, Their Origin and Duties Through the Ages" Oct. 7. The following evening, Oct. 8, his topic will be "The Development of Arms Under the Heralds," explaining the connection between heraldry and social history. The concluding talk, Oct. 9, will be "Heraldry as a Living Science and Art Form," dealing with the art and abuses of modern heraldry, both legally and artistically.

The lectures are being sponsored by the University's Interdisciplinary Graduate Program in conjunction with a course entitled "Artist, Herald, and Poet in the Thirteenth Century," to be taught on campus next spring by Dr. Gerard J. Brault, professor of French.

Sykes appointed

A Division of recreational sports has been established in the College of Health, Physical Education, and Recreation and Clarence M. Sykes, professor of physical education and head of men's intramural athletics, has been named director.

Establishment of the division recognizes the continuing growth and scope of intra-University recreational, intramural, and sports club activities.

Sykes has been a member of the faculty since 1935 and has worked with intramural activities since 1946.

Title changes in physical education

In the College of Health, Physical Education and Recreation, the following personnel changes have been announced:

Martha A. Adams has been named assistant dean for resident instruction. She is professor of physical education.

Dr. James D. Gallagher, assistant professor of physical education, has been appointed associate dean of Commonwealth Campuses.

Dr. E. James Kelley, instructor of physical education, has been named assistant dean for continuing education.

Dr. Karl G. Stoenefels, professor of physical education, has been named associate dean for academic affairs.

PUBLICATION —

(Continued from page one)

of English; Peirce F. Lewis, professor of geography; William J. Mahar, assistant professor of humanities and music (Capitol Campus); Harrison T. Meserole, professor of English; John E. Searies, professor of education; Philip E. Stebbins, associate professor of history; Kenneth A. Thigpen, assistant professor of English; Daniel Walden, associate professor of American studies; and Philip Young, research professor of English.

Approximately 60 faculty members will be asked to prepare 350 to 400 word vignettes to accompany pictures which will be selected by the editorial board. Any faculty member who wishes to contribute to the book, particularly ideas for pictures and vignettes, should contact Dr. Secor at 2265 Burrows Bldg., University Park.

PENN STATE intercom

Volume 4, Number 6

October 10, 1974

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

News in brief

HUMAN DEVELOPMENT

A convocation, a panel discussion, an alumni coffee hour, and tours of the main building will be features of the College of Human Development alumni homecoming program this weekend.

Today (Thursday), the College's "Alumni Recognition Award" will be given to 1971 graduate Thomas E. McKemey at a convocation at 8 p.m. in room S209 Human Development. Dr. Charles Newman, professor of law enforcement and corrections, will make the presentation to McKemey, who is probation and patrol officer in Center City, Philadelphia. Joseph Kileen, agent for the Community Task Force for the State of Maryland, will give the address at the convocation.

Friday's feature program is a panel discussion on student field experiences at 1:30 p.m. in the Human Development Living Center. Saturday's program includes an alumni coffee hour beginning at 8:15 a.m. following which tours of the Human Development Bldg. will be conducted.

STATE DIRECTORY

A new Commonwealth Directory, containing the addresses and telephone numbers of many State employees in Harrisburg and elsewhere, is now available and may be useful to many University departments. Considered quite complete, it is about as

thick as a University undergraduate catalogue. The University's General Services will order these directories in bulk if interest is shown by various offices, and L. R. Robb, director of the department, asks that those wishing to obtain one or more directories, at a cost of \$1, call 865-8311 prior to Oct. 25 (at 5 p.m.). The individual State employee's name, his title, his department, location and telephone are listed in the directory.

PHOTOGRAPHY EXHIBIT

The work of Latvian photographer, Jan Kreicisbergs, will continue on exhibit on the second floor of Carnegie Bldg. through Oct. 31, sponsored by the School of Journalism. The 27 black-and-white prints were assembled from the collection of Robert Jaskovskis of Shippensburg, friend of Kreicisbergs. In his native Riga, Kreicisbergs is a photographer for a fashion magazine.

HEALTH CENTER

Ground breaking will take place this month for the Evelyn G. Frederick Health Center in Millersburg, an ambulatory health care center which will be owned by the Howard G. Frederick Trust and operated by the Hershey Medical Center. Named for the late daughter of the late Mr. Frederick, the building is viewed by federal and state officials as a demonstration project which may serve as a national prototype for delivery of health care in small towns and rural areas. Occupancy is

scheduled for one year from the day construction begins. The center, which will provide out-patient medical, dental and 24-hour emergency care, will be staffed by Hershey faculty in the department of family and community medicine located permanently at Millersburg.

GENETICS SYMPOSIUM

Four scientists will participate in a Genetics Symposium Friday, Oct. 11, in 112 Kern Bldg., beginning at 1 p.m. Dr. Robert Selander of the University of Rochester will speak first on "Population Structure and Mating Systems." At 2 p.m., Dr. Paul Todd, Penn State biophysicist, will talk on "Genetic Repair Modes in Mammalian Cells Exposed to Ultraviolet Light." Dr. Carol Moore, also of Rochester, talks on "Genetic versus Physical Distances" at 3:30 p.m., followed at 4:30 p.m. by Dr. Leslie Bullock, Hershey, on "Genetic Regulation of Androgen Receptors in the Mouse." Dr. J. E. Wright, Penn State biologist, will preside.

WORKSHOPS SCHEDULED

The first in a series of annual workshops on the physical state of aqueous cytoplasm will be held at the University Oct. 13-16. Five of the world's top authorities will discuss the latest ideas and developments concerning the physical and chemical state of water inside cells and near biological surfaces. They include Dennis Chapman, Sheffield University, England; Ernest Pol-

(Continued on page four)

Balaban wins Lamont prize

John Balaban, assistant professor of English, has received the 1974 Lamont Poetry Selection for his book of poems, "After Our War."

One thousand copies of the book will be purchased by the Academy of American Poets, sponsor of the prize for the best first book of poetry. They will be distributed to its members.

A native of Haboro, near Philadelphia, Balaban was graduated from Penn State in 1966 and the following year began a two-year period of alternative service in South Vietnam as a conscientious objector. He served as an instructor in English literature and linguistics at the University of Can Tho in the Mekong Delta.

Injured during a bombing attack, he later returned to the Far East as a field representative for the Committee of Responsibility to Save War-Injured Children.

During his stay in South Vietnam, Balaban became interested in "Ca-Dao," the ancient Vietnamese folk poetry. In 1971, he received a \$9,000 National Endowment for the Humanities grant for further study of this poetry.

Balaban also holds a master of arts degree in English literature from Harvard University.

"After Our War" will be published by the University of Virginia Press.

Senate approves summer calendar

The University Faculty Senate has approved a 1975 Summer Term calendar proposal which provides a six-week session within the regular ten-week term. The plan, developed by the President's Calendar Commission, was approved last week by the University Council.

At the Oct. 1 Senate meeting, Dr. Asa J. Berlin, Commission chairman, emphasized that the plan is an experimental one for the 1975 Summer Term only and does not represent a long-range recommendation. The Commission currently is studying the overall Penn State calendar.

The 1975 Summer Term plan provided for a standard six-week session to be added in the middle of the term. The ten-week term would be intended primarily for continuing University students who wish to take the maximum number of credits, while the six-week session would be of primary interest to particular groups of students such as public school teachers.

Prior to Senate consideration of the calendar change, Pres. John W. Oswald noted that the plan was experimental and said that if there was to be a six-week session in the 1975 Summer Term, "the decision has to be made almost immediately."

In discussion of the proposal, several senators raised questions concerning operating details of the six-week session. Dr. Oswald said that work would begin immediately to set up administrative guidelines to implement it.

Earlier, the Senate, after more than an hour's discussion, approved an amended guideline for Senate consideration on recommendations for faculty participation in University governance.

The guidelines, developed by the Senate Steering Committee on Governance, detail

(Continued on page four)

Leaner days over since emergence of food problems

Ag research grants easier to come by, says Nelson

Historically, urban societies have offered little encouragement and limited funding to their agricultural researchers, according to Dr. Richard R. Nelson.

"We've been the wetbacks of science," Penn State's Evan Pugh Professor of Plant Pathology points out. "Now, however, people are beginning to realize that if we don't swim, they won't eat."

The origin of the lean times — from which agricultural science is definitely emerging — paralleled the Sputnik era of the mid-fifties, when America's need to outdo the Russian space program ushered in a period of pure or basic research.

"This attitude filtered down to the biological and agricultural sciences, and it became increasingly difficult to obtain grants to work on applied problems," Dr. Nelson explains. "At the same time, there was a feeling in Government that we were a land, if not a world, of agricultural surpluses. After all, we were spending millions of dollars a day storing surplus wheat and a variety of agricultural products.

"In the early sixties, programs designed to increase yields were deemphasized and research on new uses for crop plants was stimulated. I can remember giving a talk in Washington where I discussed the future food crisis which I saw looming as a result of population pressures. The audience did not appear to be overly impressed.

"In the past two years, the cycle has come full about, and everyone recognizes the obvious food crisis. Agricultural science is on the upswing, and since I can't visualize a long range solution to world food problems, I don't foresee any short range decline in the importance of agriculture."

Dr. Nelson's entire career has been

spent studying plant diseases caused by fungi. Because fungi are notorious for their capacity to vary, new races continually arise to threaten currently grown varieties of crops.

The 1970 Southern corn leaf blight was caused by a fungus Dr. Nelson has been investigating for 15 years, and he is currently studying the epidemiology of the blight under a \$150,000 grant from the USDA.

"Disease and pest management have top priority now in Washington," he points out. "In the past, most of our research on disease control was after the fact, and since most of our major crops are grown as monocultures with identical major varieties,

they have been highly vulnerable to such epidemic disasters as stem rust, corn blight or coffee rust. Because of the turn-around in attitude of the people holding the purse strings, scientists will now be able to try to develop techniques for early detection of existing plant diseases and of new races with the capacity to attack present crop varieties."

While Dr. Nelson has authored over 175 scientific papers and edited the recent book, "Breeding Plants for Disease Resistance," the reason he came to Penn State in 1966 was not to improve his research situation but to have more contact with students.

(Continued on page four)



Dr. R. R. Nelson — a career studying plant diseases caused by fungi.

Death

Charles K. Hallowell, the county agricultural agent for Philadelphia for 32 years, died October 3 at the age of 81. He was appointed county agent in 1923 and became well known for his work in lawn and turf development. In 1953 he received a distinguished service award from the National Association of County Agricultural Agents. He retired in 1955 and became director of the U.S. Golf Association's Regional Greens Service. He also served as legal representative of the U.S.G.A. He was graduated from Penn State in 1917, with a B.S. in agronomy.

Honors

Dr. James F. Tammen, head of the department of plant pathology, took over as president of the American Phytopathological Society at its 66th annual meeting in Vancouver, B.C., recently. He was president-elect in 1973-74 and previously had served the Society as counselor and counselor-at-large. The Society has a membership of 2,700 throughout the world.

Dr. James D. Hammond, professor of business administration, has been elected president of the American Risk and Insurance Association, the foremost learned society in insurance, devoted to fostering risk and insurance education and research. It has an international membership of 2,000.

Dr. Robert D. Pashek, associate dean of the College of Business Administration, has been elected president of the American Society of Traffic and Transportation, which is devoted to the furtherance of transportation and logistics through education and research. The Society conducts a certification program of a series of examinations for practitioners in the field.

Dr. Dean E. Arnold, assistant professor of biology, has been given the W. F. Thompson Award of the American Institute of Fishery Research Biologists, for the best published research paper on aquatic ecology based on work done while the author was a student. Dr. Arnold's paper, based on 1966-69 research while he was a Ph.D. candidate at Cornell University, was titled "Ingestion, Assimilation, Survival and Reproduction of *Daphnia Pulex* Fed Seven Species of Blue-Green Algae." It was published in the November, 1971, issue of the Journal of Limnology and Oceanography.

Dr. Roland M. Leach, Jr., professor of poultry science, has received the 1974 Calcium Carbonate Campus Travel Fellowship Award in Trace Mineral Research. The \$1,000 grant is to be applied toward the recipient's travel expenses to overseas research centers and experimental stations. Selection is made by the National Feed Ingredients Association Awards Committee.

Dr. Leach's research centers around the requirements and functions of mineral elements in animal nutrition.

Kirkwood named Army ROTC head

Col. Clifford T. Kirkwood has been appointed professor and head of the Department of Military Science in the Reserve Officers Training Corps program, succeeding Col. Thomas J. Collins, Jr., who retired Sept. 30.

A native of Wilton, Me., Colonel Kirkwood is a graduate of the University of Maine, where in 1952 he received the bachelor of arts degree in business administration and his commission as a second lieutenant in the U.S. Army.

Colonel Kirkwood first served as Platoon Leader and Battery Commander at Philadelphia Defense Battalion, 1952-54, and during 1955-56 he was stationed in Japan as Air Defense Battery Commander. After other assignments, he became assistant professor of military science at Central Michigan University from 1962 to 1966.

He was stationed in Bangkok, Thailand, 1966-68, and in Saigon, Vietnam, 1969-70. He was assigned to Fort Bliss, Tex., in 1970 as Battalion Commander until 1971 until his appointment at Penn State. He was Staff Officer, Deputy Chief of Staff for operations, Department of the Army, in the Pentagon.

In writing

Dr. Frank P. Chaplin, professor of mineral processing and assistant of the metallurgy section of the Department of Material Sciences, is co-editor of a new book, "Solution Mining Symposium," published recently by the American Institute of Mining, Metallurgical, and Petroleum Engineers (AIME). Other co-editors were W. A. McKinney, of the U.S. Bureau of Mines, and A. D. Pernichele, of Dames and Moore, Washington, D.C. The volume is the result of a major symposium held at the 1974 annual meeting of AIME and contains 31 technical chapters by 57 experts in the field.

Dr. William R. Schmaltz, professor and head of the Department of Slavic Languages, is the author of "An Old Prussian Grammar," published by the University Press. The book is the first grammar of the Old Prussian language ever to appear in English, and the first Old Prussian grammar to appear in any language since 1944. Old Prussian, a Baltic language, is one of the most conservative of Indo-European languages, yielding up ancient Sanskrit for importance in historical and comparative linguistics.

De Jong appointed PIRO director

Dr. Gordon F. De Jong, professor of sociology, has been named director of the Population Issues Research Office (PIRO) at the University, succeeding Dr. Wilbur Zelinsky, professor and head of the department of geography.

PIRO is an inter-college research unit organized in 1971 to bring together faculty and students from academic departments with an active interest in demographic problems.

Dr. De Jong has had numerous publications in the area of demography and the sociology of religion. He is currently conducting a study to assess the basic factors influencing decisions on population redistribution policies in Great Britain, Israel and The Netherlands.

Staff vacancies

University faculty or staff members who are interested in any of the staff exempt or staff non-exempt positions listed below may apply by calling Employment Office, 865-1387 (Network Line 475-1387). Do not contact the area having the vacancy. Applications will be accepted until:

5 P.M., Thursday, October 17

PROJECT COORDINATOR, COLLEGE OF HUMAN DEVELOPMENT — University Park

Responsible for coordinating staff trainers; extensive contacts with Child Welfare Agencies; supervision of the evaluation process; systems intervention work with the Pennsylvania Department of Public Welfare; and public relations. Public relations work as a spokesman for the Director and the Project. A.B.S. in Human Development, or equivalent, plus three to five years experience in working with social service agencies and/or organization are preferred.

RESEARCH AIDE, COLLEGE OF HUMAN DEVELOPMENT — University Park

Responsible to the Field Manager of the Governor's Action Center Project for computer data analysis, coding, preparation and maintenance of computerized case record data on the activities of the Governor's Action Center. Bachelor's Degree in Community Development or a related human service-oriented field; familiarity with computer work with computer programming and SPSS; one year's effective experience in citizen's advocacy, or human service programs, or research.

ASSISTANT MANAGER — HOUSING AND FOOD SERVICES — COMMONWEALTH CAMPUSES — McKeesport Campus

Responsible to Manager, Housing and Food Services — Commonwealth Campus for assisting supervisor in the overall operation of the Housing and Food Service units. Associate Degree in Institutional Management, or equivalent, plus two years' effective experience in food supervision.

JANITOR FOREMAN — McKeesport Campus

Responsible to the Maintenance Foreman for supervision of all janitorial and custodial work. Supervise all janitorial and custodial employees in performing required duties to meet University standards. High School education or equivalent and two to four years' experience in custodial or housekeeping work. Supervisory experience highly desirable.

MAINTENANCE FOREMAN — McKeesport Campus

Under the direction of the Business Manager, perform duties necessary for the maintenance, repair, and upkeep of the McKeesport Campus Physical Plant and facilities. Supervise and direct all maintenance employees in the performance of their assigned duties. High School education or equivalent with two years' vocational training or equivalent and two to four years experience in building and grounds maintenance or construction. Supervisory experience highly desirable.



Le Troupe de Paris actors (l. to r.) O. Helmut Duc, Oliver Hussell, and Christiane Desobles are featured as Queen Marguerite, the King, and Queen Marie in the Espone Tenace play "Le Roi Se Meurt" to be performed Monday, Oct. 14, in Schwab Auditorium, at 8 p.m. Tickets remain on sale for the play, performed in French, and will be sold at the door. Le Troupe de Paris, the French acting company, has performed at Penn State for a number of years.

Ph.D. in factuality appointments announced

Dr. Charlotte F. Fischer, as professor of computer science. Since 1968, she as professor of applied mathematics and computer science at the University of Waterloo, Ontario, she has also taught at the University of British Columbia and has had summer appointments as scientist for the Pacific Oceanographic Group Fisheries Research Board, research engineer for Boeing, consultant to the Pacific Oceanographic Group, and research associate at Harvard College Observatory. She earned B.A. and M.A. degrees at the U. of British Columbia. In applied mathematics at Cambridge University. She was the first woman to receive a Sloan Fellowship, which she held in 1964-67. She is author of "Introduction to Programming the IBM 7090" and has a book in progress on the Hartree-Fock Method for Atoms.

Dr. Roland E. Fleischer, as professor of art history. A member of the faculty of George Washington University, he joined in 1966. Dr. Fleischer is a specialist in Northern Renaissance and Baroque art. He obtained a B.A. in art from Western Maryland College and M.A. and Ph.D. in art history from The Johns Hopkins University. He did graduate work at the University of Amsterdam and the University of Wisconsin.

M. Knox Fowler, as professor of theatre and film. A member of the Rochester College faculty from 1961 until this year, he was previously director of Theatre Studio and Players' Ring Theatre and associate director of Leontovich Studio, Hollywood, Ca. He is a graduate of the University of Colorado and received an M.A. from U.C.L.A. He was a Fulbright Scholar at the Royal Scottish Academy of Drama.

Dr. John B. Hovumail, as adjunct professor of meteorology. He served on the faculty from 1967 until last April and is now associated with the U.S. Weather Bureau, Sulland, Md., as research meteorologist in the development of a Weather Bureau Numerical Weather Prediction Model.

Dr. William G. Irons, as professor of anthropology. Formerly assistant professor of The Johns Hopkins University, he is a graduate of the University of Michigan, receiving advanced degrees there also. He has done post-doctoral work at London School of Economics.

Dr. James P. Iwanicki, as associate professor of engineering in the department of industrial and management services engineering. He has taught at the University of Alabama since 1967. He was graduated from the University of Akron, holds an M.S. from Alabama, and obtained a Ph.D. from Virginia Polytechnic and State University.

Omel M. Landers, as associate professor of physical education. He taught at the University of Washington for the past two years, serving as acting director of Summer Session there just completed. He is a Sen. Jose College graduate with an M.S. degree from the University of Illinois.

Dr. James F. Repalle, as associate professor of nursing. He has been assistant administrator of South Side (Pittsburgh) Hospital. A graduate of the Pennsylvania Hospital School of Nursing for Men, he received an M.S. in education from Temple University, M.S. from Penn, and Ph.D. in higher education administration from Pitt.

Dr. James F. Scotland, as associate professor of journalism. He was assistant professor of journalism at York College of CUNY, and in 1973-74 at the University of Lagos, Nigeria, as dean of the School of Mass Communication. He is a Boston University graduate with advanced degrees from Wisconsin.

Dr. Calvin Spator, as associate professor of biology. He earned his M.S. and Ph.D. in advanced degrees from U.C.L.A., where he was a doctoral fellow for two years. In 1973-74 he was visiting assistant professor at West Virginia University, co-ordinating the biology core program.

Dr. Ira Welinsky, as associate professor of nutrition in the College of Human Development. He is a graduate of City University of New York, with advanced degrees in biochemistry from the University of Kansas. For the past four years he has been a member of the faculty of Hebrew University's School of Nutritional and Domestic Science, Rehovot, Israel.

Dr. Mian-Chang Wang, as associate professor of civil engineering. He was assistant professor at engineering school at Tsinghua University, Beijing, and is a registered professional engineer in the state and a professional civil engineer in China. He received his bachelor's degree from Cheng King University, Taiwan, and advanced degrees

from the University of California, Berkeley.

Dr. Harry J. Berman, as assistant professor of individual and family studies. He received a B.A. degree in psychology at the University of Chicago and the Ph.D. at Washington (St. Louis) University, where he served as instructor and research assistant.

Dr. Roger N. Conish, as assistant professor of theatre arts. Formerly assistant professor of theatre arts at the University of West Florida at Tallahassee, he is a graduate of the University of Connecticut at Storrs, received an M.F.A. degree from Catholic University, and was granted the Ph.D. by the University of Minnesota. He has written 13 plays produced or published in university, community and professional theatres.

Dr. G. D. Davenport, as assistant professor of physical education. She was an instructor at the Creative Learning Center, Palos Verdes, Ca. She is a graduate of U.C.L.A., which she attended for her M.A. degree.

Dr. Susan M. Bennett, as assistant professor of psychology at Beaver Campus. She earned a bachelor's degree in liberal arts and education at Oberlin College, M.Ed. at the University of Pittsburgh and Ph.D. in educational psychology at the University of Hawaii.

Arthur S. Cantrill, as assistant professor of film. He taught film making at Swinburn College of Technology in Australia and at the University of Oklahoma and was an art teacher in film editing in Australia and England.

Dr. Corinne R. DeKeshamp, as assistant professor of philosophy. She was granted an M.A. degree by the University of Tuebingen, in Germany and the Ph.D. by the University of Bonn. In the past year, she calloqued the Home Collector at McGill University, Montreal.

Leura M. Olf, as assistant professor of English at Hazelton Campus. She obtained a B.A. degree in English literature and a doctor of arts degree from Idaho State University, where she practiced as a registered nurse in California, Hawaii and light from 1953 until this year.

Dr. Johnathan Goldstein, as assistant professor of computer science. He is a graduate of Swarthmore College, where he received his M.S. in mathematics from the University of California at Berkeley. He has been on the University of Chicago faculty for the past three years.

Waiting Opportunities

For procedural and funding source information, call 865-1372.

October 10, 1974

(149-9) THE AMERICAN SCANDINAVIAN FOUNDATION, established since 1926 at New York, N.Y. (10021) has announced its program of fellowships and grants for study in Scandinavia in 1975-76. Fellowship deadlines differ for different awards. Title I-V of the Higher Education Act of 1965, this program supports the administration of cooperative education programs, including planning, implementation, and evaluation. It also supports training programs for persons involved in the planning, establishment, administration or coordination of cooperative education programs and research programs concerned with the methods of improving, developing or promoting these programs. Both two- and four-year institutions are eligible for the awards. A \$7500 stipend is imposed for the administration of cooperative education programs. The annual deadline is Dec. 1, 1974 (Ref. OE Instructions for Submittal AY 71/73-63/3076).

(150-1) Through its cooperative student programs, the Office of Education allows full time students to alternate periods of academic study with off-campus employment closely integrated with the educational and career goals of the students. Title I-V of the Higher Education Act of 1965, this program supports the administration of cooperative education programs, including planning, implementation, and evaluation. It also supports training programs for persons involved in the planning, establishment, administration or coordination of cooperative education programs and research programs concerned with the methods of improving, developing or promoting these programs. Both two- and four-year institutions are eligible for the awards. A \$7500 stipend is imposed for the administration of cooperative education programs. The annual deadline is Dec. 1, 1974 (Ref. OE Instructions for Submittal AY 71/73-63/3076).

University Park Calendar

October 10-20, 1974

Items to be included in this calendar should be sent to the editor, Room 312 Old Main, by Thursday of the week preceding publication.

SPECIAL EVENTS

Thursday, October 10 — FSHA 410 dinner, "Mexico," 5:30 p.m., Maple Room. Reservations required.

Thursday, October 10 — Sports: Women's field hockey, vs. Ursinus, 2:30 p.m.

Friday-Saturday, October 10-12 — University Theatre, "The Seagull," 8 p.m., Pavilion Theatre.

Thursday, October 10 — College of Human Development Alumni Recognition Award ceremony, 8 p.m., Room S209 Human Development. Honored: Thomas E. McKerny '71; speaker: Joseph Killen, agent for Community Task Force for the State of Maryland.

Friday, October 11 — College of Human Development panel discussion on "Human Service — How We Found It," 1:30 p.m., Human Development Living Center.

Friday, October 11 — Colloquy, George Plimpton, author, on "The Amateur among the Pros," 9:30 p.m., University Auditorium.

Friday, October 11 — Groove Phil Groove, 9 p.m., HUB ball room.

Friday, October 11 — Sports: Soccer, vs. Army, 7 p.m., Jeffrey Field.

Friday, October 11 — Genetics Symposium, 1-5 p.m., Room 112 Kern.

Friday, October 11 — Commonsplace Coffeehouse, 8 p.m., Room 102 Kern. Entertainment by Marty and Buddy.

Saturday, October 12 — Sports: Football, vs. Wake Forest, 1:30 p.m., Beaver Stadium. Homecoming.

Saturday, October 12 — Penn State Glee Club Homecoming Concert, 7:30 p.m., University Auditorium. Traditional works for men's voices, old American songs arranged by Aaron Copland, folksongs and spirituals. Hy-Los featured.

Saturday, October 12 — Human Development Alumni Coffee Hour, 8:15 a.m. Tour of Human Development Building, 9 a.m., beginning at foyer.

Sunday, October 13 — Chapel Service, 11 a.m., Music Bldg. recital hall. The Reverend Nelson Frank, former pastor of St. Paul's United Methodist Church, State College.

Sunday, October 13 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

Sunday, October 13 — Artists Series, Senegalese dance group, 3 p.m. (special event tickets) and 8:30 p.m. (series tickets only), University Auditorium. (Change in schedule.)

Monday, October 14 — Le Treteau de Paris performance (In French) of Inesocsa's "Le Roi Se Meurt," 8 p.m., Schwab.

Monday, October 14 — Gamma Pi Epsilon program, 8 p.m., McElwain Hall piano recital. Dr. Marshall Raffel on "The Physician and the Planning of Health Services."

Tuesday, October 15 — Dedication of Labor Archives Search Rooms, Pattee Library, 3 p.m., Rare Books Room.

Tuesday, October 15 — Sports: Women's field hockey, vs. West Chester, 9 p.m.

Tuesday-Saturday, October 15-19 — University Theatre, "The Seagull," 8 p.m., Pavilion Theatre.

Wednesday-Thursday, October 16-17 — FSHA 410 dinner, "Ghina," "America 1800's Riverboat Dining," 5:30 p.m., Maple Room. Reservations required.

Wednesday, October 16 — Thalia Trio recital, 8:30 p.m., Music Bldg. recital hall. Works by Josef Soplroni (first U.S. performance), Dvorak, and Haydn.

Wednesday, October 16 — Artists Series Film Festival, "The Chaplin Review," 8:30 p.m., University Auditorium.

Thursday, October 17 — Two Cultures Dialogue, noon, Room 189 Materials Research Lab. Kenneth P. Wilkinson, rural sociologist, on "Food and Man."

Friday, October 18 — Folk and Square Dance Roundup, 7:30 p.m., North Gym, White.

Friday, October 18 — Artists Series, Anthony and Joseph Paratore, duo-pianists, 8:30 p.m., Schwab.

Friday, October 18 — Commonsplace Coffeehouse, 8 p.m., Room 102 Kern. Entertainment by David and Denrexi, Rose Bohr.

Saturday, October 19 — Sports: Football, vs. Syracuse, 1:30 p.m., Beaver Stadium. Cross country, vs. Pittsburgh. Women's field hockey, vs. Cortland, 10 a.m.

Saturday, October 19 — PSU Symphony Orchestra concert, 8:30 p.m., University Auditorium. Brahms's Academic Festival Overture, Beethoven's Emperor Concerto, Mendelssohn's Reformation Symphony.

Sunday, October 20 — Chapel Service, 11 a.m., Eisenhower Chapel. Stanley F. Paulson, dean of the College of Liberal Arts.

Sunday, October 20 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

Sunday, October 20 — Colloquy, Dr. Raymond McNally, Dracula and vampire expert, on "In Search of Dracula," 8 p.m., Schwab.

Sunday, October 20 — Graduate Commons Evening Concert Series by Claremont Windwind Quintet, 8 p.m., Room 112 Kern.

SEMINARS

Thursday, October 10 — Natural Disasters, Meteorology and Geosciences, 2:20 p.m., Room 220 Willard. Dr. John Lee, meteorology, on "Hurricane Disasters."

Thursday, October 10 — Physics and Chemistry, 3:35 p.m., Room 117 Osmond. P. A. Egolfstaj, University of Guelph, on "Theory of the Liquid State."

Thursday, October 10 — Meteorology, 3:55 p.m., Room 26 Mineral Sciences. Dr. F. Pasquill, Meteorological Office, Bracknell, Berkshire, England, on "Recent Activities in Boundary Layer Research in the British Meteorological Office."

Thursday, October 10 — Biophysics, 4 p.m., place to be announced. Jack Gross, University of Wisconsin, on "The Evolution of a Model of Steroid Hormone Action."

Thursday, October 10 — Nuclear Engineering, 4 p.m., Brazaleze Nuclear Reactor. Dr. Robert A. Shaw, Clarkson College of Technology, Potsdam, N.Y., on "Corrosion Product Radiolysis Concentration in BWR."

Thursday, October 10 — Agronomy, 3:45 p.m., Room 301 Ag. Adm. Dr. Dan Knevel on "Crop Physiology Research at INTA, Castalar."

Thursday, October 10 — Statistics, 4 p.m., Room 75 Willard. William Cleveland, Bell Telephone Labs, Murray Hill, N.J., on "Time Series — Estimation of Coherence, Frequency Response and Envelope Delay."

Friday, October 11 — Ceramic Science, 3 p.m., Room 301 Mineral Industries. Dr. L. E. Kinnard, General Motors Corp., on "ZrO₂ Sensors."

Friday, October 11 — Mechanical Engineering, 4 p.m., Room 103 Mechanical Engineering. Dr. E. V. Schlunder, University of Karlsruhe, West Germany, on "Mass Transfer to Granular Materials and Prediction of Design Data for Active Carbon Filters Applied in Water Purification."

Monday, October 14 — Genetics, 4 p.m., Room 111 Tyson. Edgar H. Palpat, School of Forest Resources, on "Ecological Genetics of Douglas Fir and Its Implication in a Breeding Program."

Monday-Tuesday, October 14-15 — Biochemistry, 11:10 a.m., Room 101 Althouse. Dr. H. G. O. Wood, Penn State University, Cleveland, on "Transcarboxylase. The Structure of Transcarboxylase. Role of Metals, Biotin and Subunits in Transcarboxylation." "Formation of P-enolpyruvate from Pyruvate and ATP with a Pyrophosphoryl Enzyme as an Intermediate."

Monday, October 14 — Chemistry, 12:45 p.m., Room 333 Whitmore. Dr. R. B. Bernstein, W. T. Doherty Professor of Chemistry and Physics, University of Texas, Austin, on "Information — Theoretical Approach to Reactive Molecular Collisions. Entropy Deficiency and Supralocal Analysis."

Monday, October 14 — Microbiology, 4 p.m., Room 350 Frear. Dr. Robert H. Kelly, The Mathilda and Terence Kennedy Institute of Rheumatology, London, on "Aberrant Immunoregulation during Immune Responses to Toxic Antigens."

Tuesday, October 15 — Physiology, 3:55 p.m., Room 8 Life Sciences. Dr. Rosemary Schraer, "Aspects of Mitochondrial Function in Calcium Movement and Calcification."

Tuesday, October 15 — Physics, 3:35 p.m., Room 117 Osmond. J. Eberly, physics and astronomy, University of Rochester, on "Self-Induced Transparency."

Wednesday, October 16 — Chemistry, 12:45 p.m., Room 333 Whitmore. Dr. R. B. Bernstein, W. T. Doherty Professor of Chemistry, University of Texas, on "Detailed Molecular Beam Study of the Dynamics of Elementary Reaction: Comparative Anatomy of a Direct — Versus a Complex — Mode Reaction."

Tuesday, October 15 — Air Pollution Conference, 2:20 p.m., Room 140 Fenske. William M. Moyer on "Design of an Air Quality Monitoring Data Retrieval System."

Wednesday, October 16 — Analytical Chemistry, 11:30 a.m., Room 333 Whitmore. Dr. T. S. West, Imperial College, London University.

Thursday, October 17 — Agronomy, 3:45 p.m., Room 301 Ag. Adm. Dr. John C. F. Tedrow, Rutgers University, on "Soils of the Solar Regions."

Thursday, October 17 — Microbiology, 4 p.m., Room S2 Frear. Donald B. Clewell, oral biology and microbiology, University of Michigan Dental and Medical School, on "Structure, Function and Maintenance of Plasmids in Streptococci."

Thursday, October 17 — Meteorology, 3:55 p.m., Room 26 Mineral Sciences. Dr. Toby N. Carlson on "Extinction of Solar Radiation by Dense Haze Over the Tropical Atlantic."

Thursday, October 17 — Nuclear Engineering, 4 p.m., Brazaleze Nuclear Reactor. Dr. Robert A. Shaw, Clarkson College of Technology, Potsdam, N.Y., on "Corrosion Product Radiolysis Concentration in BWR."

Thursday, October 17 — Computer Science, 4 p.m., Room 101 Althouse. Dr. J. Ian Munro, applied analysis and computer science, University of Waterloo, on "Sorting and Searching in Multisets."

Friday, October 18 — Chemistry, 12:45 p.m., Room 333 Whitmore. Dr. R. B. Bernstein, W. T. Doherty Professor of Chemistry and Physics, University of Texas, on "Detailed Molecular Beam Studies of the Dynamics of Elementary Reaction: Comparative Anatomy of a Direct — Versus a Complex — Mode Reaction."

Friday, October 18 — Physical Chemistry, 4 p.m., Room 333 Whitmore. Harold G. Munson, on "The Effects of Collisions on Molecular Reorientation Correlations from Depolarized Rayleigh Scattering of Dense Fluids."

MEETINGS

Thursday, October 10 — College of Education faculty meeting, 3:30 p.m., Room 112 Kern.

Monday, October 14 — OTIS, 6:30 p.m., Room 203 HUB.

Tuesday, October 15 — ARHS, 7:30 p.m., Room 303 Bruckey.

Tuesday, October 15 — Penn State Mining Society, E. J. Korber, Cambria Division Superintendent, Bethlehem Mines, on "Management Structure of a Large Materials Corporation," 7:30 p.m., Room 121 Mineral Industries.

Tuesday, October 15 — Graduate Student Association Council, 7 p.m., Room 102 Kern.

Wednesday, October 16 — Biological Society, 7:30 p.m., Room 8 Life Sciences. Dr. Robert Butler, on "Fish and Man as Animals."

Wednesday, October 16 — AWS, 7 p.m., Room 203 HUB.

EXHIBITS

Museum of Art — Manyangut and Other Places. Francis Spaight's paintings and drawings. Galleries A and C. Selections from the permanent collection, Gallery B. 20th Century Master Pottery, Galleries B, opening Oct. 20.

Zoller Gallery — Super Mud '74.

Chambers Gallery — Jeanne Stevens-Soliman, drawings and ceramics, until October 18. Dan Fitch, paintings, drawings and ceramics, opening October 18.

Kern Gallery — Bob and Susan Duncan, "Corrosion Product Radiolysis Concentration in BWR," until October 12. Blumenthal, acrylics, opening October 13.

Carnegie Bldg. — Photos by Jan Kreibergs, Latvian photographer, arranged by School of Journalism.



On the Artists Series program, Oct. 13, in the new University Auditorium, the Senegalese National Company will include this battery of drummers from various regions of Senegal among its program features. The program at 9 a.m. is open to the general public, and tickets, if any remain, are currently on sale at the HUB and at the University Auditorium. The performance at 8:30 p.m. is sold out. The Senegalese dancers were at Penn State in 1971, scoring a hit.

FILMS

Friday-Sunday, October 11-13 — South Halls, "What's Up, Doc?" 7:30 and 10 p.m., Redler "D."

Friday-Sunday, October 11-13 — Centre Halls, "A Clockwork Orange," 7:30 and 10 p.m., Room 102 Forum.

Friday-Sunday, October 11-13 — East Halls, "Sometimes a Great Notion," 7:30 and 10 p.m., Finck Room.

Friday-Sunday, October 11-13 — North Hall, "Bullitt," 7:30 and 10 p.m., Room 105 Forum.

Friday-Sunday, October 11-13 — Pollock Theatre, "Torn Curtain," 8 and 10 p.m., Room 112 Kern.

Friday-Sunday, October 11-13 — West Halls, "Godspell," 7:30 and 10 p.m., Waring lounge.

Wednesday, October 16 — Commonsplace Theatre, "Torn Curtain," 8 and 10 p.m., Room 112 Kern.

Friday-Sunday, October 18-20 — Centre Halls, "Mary, Queen of Scots," 7:30 and 10 p.m., Room 102 Forum.

Friday-Sunday, October 18-20 — North Halls, "A Man Called Horse," 7:30 and 10 p.m., Room 105 Forum.

Friday-Sunday, October 18-20 — Pollock Theatre, "West World," 7:30 and 10 p.m., PUB.

Friday-Sunday, October 18-20 — West Halls, "Valachi Papers," 7:30 and 10 p.m., Waring lounge.

Artists Series has crowded week



The piano duo of Anthony and Joseph Paratore.

Singers, dancers, drummers, musicians, acrobats, still-walkers, and other performers will be part of the Senegalese National Dance Company's troupe at University Auditorium Sunday, Oct. 13, in two performances.

The show at 3 p.m. is a "Special Event" of the Artists Series for which tickets have been available at the Auditorium this week. A performance at 8:30 p.m. is for holders of Theatre/Dance Series tickets only. This series was sold out completely, so that no seats are available by general sale.

The Company is celebrating its 15th year of performance and is featuring a new program quite different from that presented

in 1971 when the troupe was last here on its U.S. tour. The program will include batteries of drummers from different regions of Senegal; still-walking acrobats; a "talking drum"; high-energy dances; along with the acrobats and the harvest dance from its previous tour.

Next on the Artists Series Fine Arts Series, in Schwab Auditorium, will be the piano duo of Anthony and Joseph Paratore, Friday, Oct. 16, at 8:30 p.m. Tickets will go on sale both at the HUB and at University Auditorium Tuesday, Oct. 15.

The Paratores, Boston natives from a family with a strong musical tradition, made their professional debut with the Boston Pops orchestra in 1968-69; last month they won first prize in the piano division of the Munich International Competition. Their teacher at Juilliard was Mme. Rosina Lhevinne.

In their program, the Paratores will play Mozart's Sonata in D Major, K. 448; Schumann's Andante and Variations in B flat major, Op. 46; Lutoslawski's Variations on a theme by Paganini; Debussy's "En Blanc et Noir" for two pianos; and Rachmaninoff's Suite No. 2 for two pianos, Op. 17.

The Charlie Chaplin Film Series will continue Wednesday, Oct. 16, with "The Chaplin Review," containing three of his earliest films, "A Dog's Life," "Shoulder Arms," and "The Pilgrim." The films are at 8:30 p.m.; tickets are available at the door.

AG RESEARCH—

(Continued from page one)

His desire to do so he attributes in large part to the influence of his own research preceptor, Dr. E. C. Stakman, former head of the University of Minnesota's department of plant pathology and one of the world's leading researchers in this field.

Dr. Nelson's own passage to Minnesota is an interesting story.

He was a phys ed major with a science minor at St. Olaf College, Minn., leaving after three years to obtain emergency certification as a teacher during World War II.

"It was a small town," he recalls, "and I taught biology, chemistry, math and physics; coached football, basketball and baseball; directed the junior class play; served as health director for the school; and taught all the boys' phys ed classes. I refereed football and basketball games to supplement my \$2,600 a year salary. When the school board only offered me a five percent raise for the next year, I decided to go back to college."

Since the job market for unemployed football coaches was not terribly exciting, Dr. Nelson began to take more science courses and graduated from Augsburg College as a biology major. One of his professors suggested he talk to Dr. Stakman about graduate school.

"I went to see him almost as a joke," Dr. Nelson continues, "but it turned out that he had also started out as a high school football coach in the early 1900s and had maintained a deep interest in athletics. I think it was my athletic background as much as anything that got me my first assistantship."

Dr. Nelson earned his master's degree and doctorate in three years and remained at Minnesota as a Rockefeller Foundation post doctoral fellow before going with the USDA for 12 years at North Carolina State.

"During that entire period, I had only two graduate students, and I had to bootleg much of my teaching on nights or weekends," he says. "I had always believed that despite his eminence in research, Dr. Stakman's greatest contribution lay in teaching and his deep interest in his students' education. I decided that I wanted to find an environment where I could spend more time with students in teaching and as an advisor. Penn State offered that opportunity."

"I believe that universities have done a reasonably good job in training students but have fallen short in educating them. We devote considerable time to teaching them how to use sophisticated equipment and

procedures of statistical analysis but not enough time helping them learn how to make broad use of their factual knowledge."

"In science, the amount of factual knowledge doubles every seven years, but the number of principles and concepts remains fairly constant. Much of our effort as scientists is spent in verifying or supplementing existing concepts; only rarely do we develop new ones."

"From the standpoint of education, we should help our students acquire a broader understanding of what these principles and concepts really mean. The factual knowledge they acquire can then be applied to them. As a teacher, I try to work with these concepts rather than just facts."

Dr. Nelson presents his point of view in a graduate level course in Principles of Plant Pathology, where he also tries to help students develop some sort of personal philosophy of what science is all about. "One thing I dread," he says, "is the idea of a student coming back after several years in the field and telling me that he feels cheated because he wasn't given enough at Penn State. I want to help every student recognize his potential and then encourage him to strive a little bit beyond it."

Hockey club needs coaches, managers

The Penn State Ice Hockey Club, which is open to students, faculty and staff, needs help in coaching and administration.

Organized in 1971 the first game was played Dec. 4 of that year, the Ice Hockey Club was initially pushed by Dr. Lawrence B. Hendry, then instructor in chemistry, who was an NCAA ice hockey referee and who had seen collegiate hockey at Cornell where he studied. Other faculty members, Dr. Robert Bernheim, Dr. Fred Lampe, Dr. Joseph MacNeill, Dr. James L. Hodgson, and Dr. George Guthrie, came out to play or to help.

Now, with a great amount of student interest, the Club limits its yearly membership to 300, with three different levels of competition: intramural, junior varsity and



Dr. Luis Alberto Sanchez (right), one of Latin America's foremost essayists and writers, was guest of honor, with his wife, at a reception in the Rare Books Room of Pattee Library last Thursday. Dean of Libraries Dr. Stuart Forth conversed with Dr. Sanchez whose personal correspondence and manuscripts, 14,000 items in all, were added to the collection of the University Libraries several years ago. Dr. Sanchez visited the campus last week for public lectures, talks to several classes, a discussion with the Comparative Literature Luncheon Group and other activities. Twice the president of the University of San Marcos, Lima, Peru, Dr. Sanchez held various diplomatic and governmental positions and played a role in the development of the Peruvian APRA political party.

NEWS—

(Continued from page one)

lard, Evan Pugh Research Professor Emeritus of Biophysics; Walter Drost-Hansen, University of Miami; Edward Finch, Naval Research Laboratories, Bethesda, Md.; Harold Friedman, SUNY at Stony Brook; and Gilbert Ling, Pennsylvania Hospital, Philadelphia. Program organizers include Penn State biophysicists Alec D. Keith, Wallace Snipes and Dr. Pollard.

LABOR DECLARATION

The Labor Affairs Search Rooms in the Special Collections area of Pattee will be dedicated Tuesday, Oct. 15, at 3 p.m. in the Rare Books Room. The public is invited to attend, and a reception will follow. Speaking at the event will be Les Orear, president of the Illinois Labor History Society. The two rooms were furnished with funds given by the United Steelworkers of America.

SEN. SCHWEIKER MARSHAL

U.S. Sen. Richard S. Schweiker will be the marshal at the 1974 Homecoming Parade at the University on Friday, Oct. 11. Senator Schweiker is a 1950 graduate of the University and in 1970 was named a Distinguished Alumnus of Penn State. Featured in the 6 p.m. parade will be the Penn State Blue Band, local bands and fraternity-sorority floats. The parade will start at the University Drive overpass on College Ave., proceed west on College Ave. to Burrows Rd., turn right onto the campus, continue on Burrows Rd., past Recreation Bldg., heading east on Curtin Rd., and terminate at Parking Lot 80, near East Halls at the University.

BOOK BARGAINS

The Pennsylvania State University Press is distributing copies of its Fall, 1974, catalog to the faculty. Both new and recently published books are listed.

The back of the catalog bears a stamp, which offers faculty and staff 25 percent off on all books provided payment accompanies their orders. Books may be purchased at Room 215 Wagner Bldg.

WPSX highlights

Friday, Oct. 11 — Film, 11 p.m., "Blood on Sand."
Saturday, Oct. 12 — Film, 10 p.m., "The Big Parade."
Sunday, Oct. 13 — Film, 6 p.m., "The Untouchables."
Monday, Oct. 14 — 8 p.m., Beverly Sills in "The Daughter of the Regiment," in series, "Performance at Wolf Trap."
Wednesday, Oct. 16 — 8 p.m., film director Vicente Minnelli featured on series, "The Who Made the Movies."
Thursday, Oct. 17 — Pennsylvania Magazine presents a special report on current subjects for the news.

SENATE—

(Continued from page one)

Senate (consideration of 35 recommendations on governance made by a special committee.

Several senators objected to a proposal that all reports on the matter be sent through the steering committee before going to the Senate, while others were concerned that the reports would be "viewed" by the steering committee.

An amended version of the guideline, in which the steering committee would act as a coordinating mechanism, was finally approved. A second guideline, involving procedures for amending governance items brought to the Senate, was put aside for consideration at the next Senate meeting.

In other action, the Senate approved amendments to a previously approved motion from the Subcommittee on Fringe Benefits "to clear up some misunderstanding."

The amended motion calls on the Fringe Benefits Subcommittee and the External Affairs Committee to investigate the possibility of changing the State Employees Retirement System to lower the retirement age to 55 and provide an automatic yearly cost-of-living adjustment in retirement income.

Senator Guy E. Rindone expressed his resentment of a letter which he said was sent to faculty members and described as Faculty Senate as "dominated by the administration and acting as a company union."

"It is time the faculty rise up, speak out and object to such a letter," he said.

He urged Senate members to write to the University administration and local newspapers expressing the feeling that the Senate "is an effective organization representing of faculty and students and doing its job well."

PENN STATE intercom

Volume 4, Number 7

October 17, 1974

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

Community affairs institute at Berks

An Institute of Community Affairs, based at Berks Campus and directed generally by Dr. Harold Perkins, has been initiated at the urging of Berks County civic leaders to render a public service in the form of research and continuing education for the benefit of the county.

Dr. Douglas J. Granquist has been appointed program director for the ICA.

The Institute, Dr. Granquist says, hopes to undertake a three-fold mission of public service, applied research, and continuing education for all the citizens of the county. The public service function will include not only research but conferences, workshops, and seminars to aid in community planning and development.

ICA plans also call for developing task forces of area citizens having a knowledge of a specific subject to assist ICA in undertaking selected projects. It is also hoped that ICA will be able to assist in the analysis and implementation of solutions to various problems in planning and developing the community.

A third major role, Dr. Granquist points out, is to serve as a clearing house for information, and as a convener of meetings, and to serve as a central collecting point for local studies as well as those of other communities in the nation having a bearing on local issues.

More active participation by area residents in community planning and problem solving is anticipated.

An Advisory Council, which will help to implement programs, is being formed; elected officials from Berks County boroughs and townships, State legislators, Reading City Council members, County Commissioners, and representatives of industry, labor, education, business and religious and civic groups will be invited to join. Local businesses and foundations will finance the ICA.

UN Day discussion on food and man

"Man and Food in the Late Twentieth Century: An International Perspective" will be discussed by a faculty panel Thursday, October 24, United Nations Day, at 8 p.m., in the KUOB assembly room.

Dr. Wilbur Zelensky, professor and head of the department of geography and former director of the University's Popula-

(Continued on page four)

Reserve lists needed

Reserve reading lists for Winter Term, 1975, should be submitted to the Main Undergraduate Library no later than Oct. 21. After this date, lists will be accepted only if material requested is not needed until the beginning of the third week of classes. Lists are processed strictly in the order received.

Only required readings, which will circulate either for two-hour or overnight loan periods, can be placed on reserve.

Typewritten lists should be submitted on reserve forms available from the Undergraduate Library, W-11 Pattee. Faster service can be provided for books to be ordered if the publisher, date of publication and price are specified.

Occupational tax to be withheld in November

As was the case last year, the University will withhold the Occupational Privilege Tax of \$10.00 from all employees who are based at University Park and are liable for the tax. Since the University will be able to obtain a 2% discount for prompt payment, it will pass this savings on to each employee.

Accordingly, for Faculty and Staff members who are paid on a monthly basis, the tax of \$9.80 will be withheld from their pay checks, dated November 29, 1974. For all other employees (Technical Service, Graduate Assistants, and Wage) the deduction will be made from their paychecks dated November 22, 1974.

If any employee wishes to appeal his liability for this tax, he should apply directly to Mr. Paul D. Bender, Tax Collector, 250 East Beaver Avenue, State College, Pa. 16802.

Department Heads are asked to make sure that their wage earners are aware of this tax.

Conceived "two cultures" concept

Lord Snow, Pamela Johnson to lecture

C. P. Snow, the novelist and scientist who created the "two cultures" concept, will deliver a public lecture Tuesday, Oct. 29, at 8 p.m. in the University Auditorium. Lord Snow, who will be visiting the campus from Oct. 28 to Oct. 31 with his wife, author Pamela Hansford Johnson, will speak as Graduate School lecturer on "The Flight from Reason."

Lady Snow will address the English Colloquium Wednesday, Oct. 30, at 8 p.m. in Room 101 Kern Bldg. The Snows' appearance is being sponsored by Penn State's Institute for the Arts and Humanistic Studies. Lord Snow is also scheduled to meet with members of the University's Two Cultures Dialogue luncheon group, the Science Policy group and the Comparative Literature Luncheon.

Lord Snow — he was made a life peer

in 1964 — began his career as a physicist, taking a doctor of philosophy degree at Christ's College, Cambridge. In 1934, he published his novel "The Search," which foreshadowed his later preoccupation with scientific ethics, politics and power. Between 1935 and 1970, he worked on a sequence of 11 novels under the general title of "Strangers and Brothers." These books, narrated by a semi-autobiographical figure, Lewis Eliot, portray the concerns of a generation from the early 1930s through the 1960s.

During this period, Lord Snow also worked as a scientific manpower expert in World War II and as a Civil Service Commissioner from 1945 to 1960. For Labour, he served as Under-Secretary of State in the Ministry of Technology.

(Continued on page four)

To break down stereotypes about human behavior

Baltes seeks to bridge disciplines in studies on aging

Paul B. Baltes doesn't like artificial barriers.

His impatience with that is one of the reasons he's at Penn State instead of teaching in his native Germany, and in his work, he constantly strives to bridge disciplines and to break down widely held stereotypes about human behavior.

This youthful professor, who heads the Division of Individual and Family Studies in Human Development, originally came to the U.S. in 1963 to spend a year as an exchange student at the University of Nebraska.

"I came primarily to learn English," he recalls, "and found myself strongly attracted to this country. American society is much more pragmatic and open than Germany's. Here, personal values and professional success are something to strive for rather than to approach in indirect, albeit socially approved, ways."

"In middle Europe, if your goals are oriented toward material rewards and personal success, you tend not to admit it publicly. If you attain them, you feel obliged to hide your happiness and satisfaction."

"Again, in Germany in the sixties, the prevailing system often made young professors the servant of the senior faculty. It took several years before they were allowed to supervise graduate students and dissertations. Universities in this country provide far greater opportunities to young, aspiring scholars. Research support is also more readily available."

Dr. Baltes notes, however, that during a recent visit to a number of German uni-

versities, he found the status of younger faculty had greatly improved in the last decade.

Dr. Baltes's decision to pursue a career in the U.S. was also strongly influenced by an exciting program which began at West Virginia University in the middle sixties, one which stressed a life-span developmental approach to psychology.

At the time, this was extremely innovative. The idea of viewing the development of behavior in the life cycle in one program (instead of studying it separately among infants, adolescents, adults or the elderly) was originally conceived by German

China talk by career diplomat

Alfred le S. Jenkins, the only American diplomat at any level to have served in China before and after the revolution, will give a public lecture on "The Chinese Connection" Thursday, Oct. 24, at 8 p.m. in Room 112 Kern Bldg.

Mr. Jenkins held the advance party to Peking in April, 1973, to open the U.S. Liaison Office there and afterward served as senior deputy to Ambassador David Bruce. He was the first foreign service officer in 23 years to cross the border into The People's Republic.

In 1948, Mr. Jenkins was serving as political officer at the Consulate General in Tientsin at the time of the take-over by the People's Liberation Army, and he remained there for eight months afterward.

His Far Eastern experience made him Officer-in-Charge of Chinese Political Affairs in the Department of State during the McCarthy era. He negotiated with the Chinese communists in Geneva in 1954 over the release of Americans detained in China. Later he served as advisor at the Warsaw Talks with the Chinese.

He was a member of the senior staff of the National Security Council, acting as President Johnson's "China watcher." He also worked closely with Henry Kissinger as director of People's Republic of China and Mongolian Affairs in the Department of State. He helped with the preparations for the entire United States-China rapprochement, journeying to China as Kissinger's advisor on his several trips.

scholars in the 1920s and 1930s. A few people in the U.S., most of them German-born, fostered the approach, and one of them, was K. Warner Schaale at West Virginia.

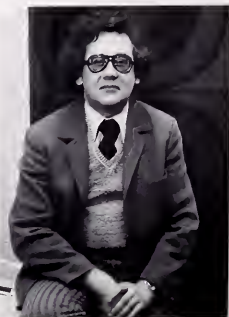
Dr. Baltes came to this country for good in 1970. He had been a scientific assistant at the University of Saarland, where he also earned his B.A., M.A., and, in 1967, a Ph.D. in psychology. After four years at West Virginia, he joined Penn State's faculty.

"It was the interdisciplinary component in the College of Human Development which attracted me," he points out. "Its focus on cross-disciplinary relationships and on socially relevant issues of human life makes it one of the most advanced colleges in the U.S. in this regard. It's very hard to break down the barriers between disciplines in traditional institutions of higher education. Yet when you do research with a population such as the elderly, their needs can't be isolated. They should be studied in terms of many disciplines, including biology, psychology, sociology, economics and architecture."

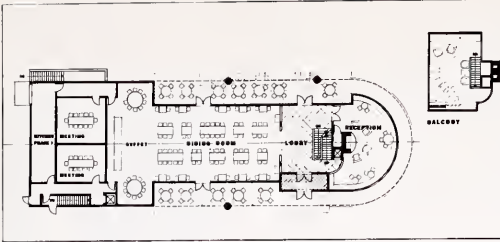
"Personally, I am trying to integrate sociological and psychological research in my work on human development and aging. The unnatural administrative separation of these two disciplines, in my opinion, has really prevented a generation of needed research at all stages of the human life cycle."

Dr. Baltes has studied young children and adolescents as well as the elderly, principally, he likes to emphasize, in collabora-

(Continued on page four)



Dr. Baltes — came four years ago to study.



First floor plan of the proposed Faculty Club — design of an English great hall.

Late winter groundbreaking for club

The interior of Penn State's Faculty Club will have a very spacious feeling, recalling old English great halls, according to Robert H. Gray, professor and head of the Department of Art who heads a committee working with the club's architects, Venturi and Rauch.

Sketch plans, as approved by the Trustees, show a first floor with a kitchen which will initially share facilities with the Nuttall Lion Inn. However, all utilities necessary for eventual independent operation will be installed, and two meeting rooms now occupying the kitchen area can be converted to greatly enlarge its serving capacity.

Over 100 people can be seated in the

dining room, from which doors will open onto terraces for outdoor dining in warm weather. Above the lobby area, Professor Gray explains, there will be a balcony, which the architects have planned as a retreat. It will have magazines and newspaper racks and probably an area for bridge. For large functions, a band or combo can be placed on the balcony to play for persons in the dining room.

According to club president, Richard D. Schein, director of environmental quality programs and professor of botany, groundbreaking is possible by late winter. Applications for club membership are being accepted and forms may be obtained from Dr. Schein at Room 109 Carnegie, 863-0371.

Death

Dr. John D. McCurdy, who was a part-time assistant professor of philosophy, died October 6; he was 34 years old. A 1961 graduate of Duke University, he came to the University as a graduate assistant after receiving an M.A. degree at Princeton University. Until September, 1970, he was variously a graduate assistant or teaching assistant while working on M.A. and Ph.D. degrees in philosophy. He became a part-time instructor in philosophy and ultimately assistant professor at DuBois Campus. He took a leave in 1972-73 to write articles in the field of philosophy and to begin a series of drawings. In his studies and interests he had combined the arts with philosophy.

Honors

Alice M. Hoffman, assistant professor of labor studies at King of Prussia, has been elected vice president and president-elect of the Oral History Association, which has a membership of more than a thousand oral historians in the U.S., Canada and Mexico and which represents more than a hundred institutional oral history projects.

Joe S. Taylor, who was professor and chairman of dairy science extension until his death July 19, was inducted into the Hall of Fame of the National Dairy Shrine Club at the organization's annual meeting in Harrisburg. He was cited for his pioneering efforts in the area of brucellosis control in dairy herds, for inauguration of the State's forage testing service, and for dairy recordkeeping systems.

Exhibit planned

An Important Bicentennial exhibition, "The Black Presence In the Era of the American Revolution, 1770-1800," will be shown from Nov. 2 through Dec. 1 at the Cultural Center in Walnut Bldg. It is a Smithsonian Institution traveling exhibit.

The aim of the exhibition is to restore to the national memory the living presence of black men and women during the 30 years that stretched from the martyrdom of Crispus Attucks to the Boston Massacre of 1770 and the conspiracy of Gabriel Prosser in Virginia at the turn of the century.

Forty handsome exhibit panels present the story of blacks in both words and pictures. Their contributions as soldiers and sailors, to the church, school and lodge, as scientists, writers, artists, physicians, frontiersmen and rebels are all depicted.

The show was researched by Sidney Kaplan and organized by the National Portrait Gallery.

Appointments

Dr. Katsuno Hitomi as visiting professor of industrial engineering for two months beginning March, 1975. Internationally known for his writings on machine tool optimization, he is professor and head of mechanical engineering at Osaka University, Japan. Dr. Hitomi received an M.S. from Penn State in 1961. His O.S. and O.Eng. were granted by Kyoto University.

Dr. William G. Hills as associate professor of management at Capital Campus. A graduate of Brigham Young, he has an M.S. in political science from Eastern New Mexico University and an M.A. and Ph.D. in public administration from the University of Oklahoma. He was director of the Rehabilitation Research Institute at Oklahoma, and his research interest is in vocational rehabilitation and public assistance projects.

Dr. Mian-Chang Wang as associate professor of civil engineering. He has a M.S. in engineering from Cheng Kung University, Taiwan, and his M.S. and Ph.D. by the University of California at Berkeley. Formerly an assistant professor of engineering at the University of Rhode Island, he is a member of the Transportation Research Board of the National Research Council.

Dr. Rupert F. Chisholm Jr. as assistant professor of management at Capital Campus. A graduate of Washington and Lee, he has a master's of industrial and labor relations from Cornell and a Ph.D. in organizational behavior from Case Western Reserve.

Dr. Michael A. Grella as assistant professor of education at Capital Campus. His baccalaureate degree is from St. Mary's Seminary and University, Baltimore, and his M.A. in reading and learning disabilities from the University of West Virginia, as is his O.E. In reading and teacher education.

Garry L. Lewis as assistant professor of accounting at Capital Campus. He holds a B.S. in business administration and an M.S. in accounting from the Wharton School, University of Pennsylvania.

Dr. Louis L. Meisel as assistant professor of social science and psychology at Capital Campus. His B.S. is from McGill and his M.A. in psychology from the University of Toronto. Michigan State granted him a Ph.D. in social and personality psychology. He has been an assistant professor of psychology at the University of Detroit.

Yvonne J. Milspaw as instructor in American studies and folklore at Capital Campus. A graduate of Mary Washington College in English, she received her M.A. in folklore at the University of Maryland. Since 1971, she has been instructor in English and folklore at the University of West Virginia.

Stuart J. Glogoski as reference librarian. A graduate of the University of Cincinnati, where he earned both B.A. and M.A. degrees, he holds an M.L.S. from Indiana University. He has taught history at the University of Cincinnati and was previously with the library at Indiana University.

David L. Ambruster as instructor in business and academic coordinator for continuing education in the College of Business Administration. A graduate of Southern State College, Magnolia, Ark., in business administration, he also holds an M.Ed. from the State College of Arkansas.

Ernest K. Kraus, Jr. as instructor in chemistry at the Mary Campus. A graduate of Valparaiso University where he earned a B.S. in chemistry, he has done doctoral work at the University of Virginia.

Charles W. Gibbons as instructor in art at the New Kensington campus. He holds a B.F.A. from the Maryland Institute College of Art and an M.F.A. from Penn State. He has previously an assistant professor of art at Salisbury State College, Md.

News in brief

HALLOWEEN PARTY

A Halloween Party for children of faculty, staff and graduate students will be held from 7-9:30 p.m. on Tuesday, Oct. 29, in the Commons of the Kern Graduate Bldg. The event is sponsored by the Graduate Student Association and will include costume judging, games, cartoons and refreshments.

WOMEN'S LIBERATION

All faculty and staff, as well as students, are invited to participate in "Women's Liberation," the local chapter appealing to feminists seeking to serve the needs of women working for equality. The next meeting will be held Monday, Oct. 21, at 8 p.m. in Room 220 Boucke. Meetings include a discussion of individual problems and of ways to develop action to further the place of women in the University community.

OPEN FIRE AREAS

Open fire areas are not permitted on University farms at any time and are permitted in only designated picnic areas on other University property. Representing a potential danger to forests and ecosystems, fires are an especial hazard in the dry fall season, but at other times as well.

PLUMBER AT BERKS

The head of the "Watergate Plumbers," Egli Krogh, will speak on "Prison: The Great Equalizer," Monday, Oct. 21, at the Berks Campus. The lecture is scheduled for 8 p.m. in the auditorium of the Community-Student Learning Center. Krogh completed his prison term for the Watergate conviction in June.

CHESS TOURNEY

The Penn State Chess Club will act as host for the annual Pennsylvania Intercollegiate Chess Team Championships Saturday and Sunday, Oct. 26 and 27, to be played in Room 102 Kern. Some 30-35 four-man teams are expected to take part, with daily sessions beginning at 8 a.m. Observers are welcome.

PLAY PUBLISHED

Dr. Lillian E. Preston, associate professor of speech communication, has had a one-act play, "Services Rendered," published by the W. H. Baker Co., the fourth of her plays which they have accepted. All told, 13 of her plays have been published. Last summer, three radio dramas by Dr. Preston were selected for production by the Actor's Radio Theatre for a new series, "After Dark." One of the plays, "No Colors for Emotion," won an award at the Birmingham Festival of the Arts.

In writing

Richard L. Garner, assistant professor of history, and Dr. Donald C. Henderson, Jr., associate librarian for Hispanic programs, are the authors of "Columbus and Related Family Papers, 1451-1902: An Inventory of the Boal Collection." The volume is part of the Penn State Studies Series.

In the course of plowing through some 165,000 pages of family papers of the last descendants of Christopher Columbus, the authors have indexed a continuous set of papers spanning four-and-a-half centuries. Almost half relate to three descendants of Columbus from the late 18th and 19th centuries. According to Dr. Garner, they furnish a unique glimpse into the concerns of the large Spanish landowners of that period and their tenants.

Microfilms of the Columbus family papers have been filed in Penn State's Paffee Library, and the original documents are housed in the Columbus Family Chapel in nearby Boalsburg. Theodore Boal, a descendant of the town's founder, married a relative of the Columbus family who had inherited the materials. When they settled in Central Pennsylvania, she brought them with her.

The three Columbus whose fortunes dominate the documents are Joseph Joaquin Columbus; his son, Diego Mariano; and his grandson, Diego Santiago. Joseph married a woman from the wealthy Sierra family, and the remainder of the documents in the collection deal with the affairs of her relatives.

"The papers are important," Dr. Garner explains, "both because of the long period

COCTEAU

A film of the play "Orpheus" by the French dramatist Jean Cocteau will be shown to the Comparative Literature 100 class Monday, Oct. 21, and the public may also attend. The film will be shown at 7:30 p.m. in Room 101 Chambers. A donation of 50 cents will be accepted. The film is a modern and poetic version of the story of the descent of Orpheus into Hades.

CRAFTS DISPLAY

Work by John Runner, Janna Longacre and Thom and Sal Lauer from Winfield House, a Lewisburg antique and crafts shop, is on display through October in Kern Bldg. Gallery. Runner, who obtained a B.S. from the University in 1971, won in stained glass. Miss Longacre, a graduate of Rhode Island College of Design has won several awards for her Egyptian paste ceramics. The Lauvers are resident silversmiths at Winfield House. They served an apprenticeship in the Southwest, learning American Indian craftsmanship techniques.

LIBRARY TOURS

For those unable to attend earlier bringings, the Reference Department of Palae will again offer library tours on Friday afternoons from 2 to 3:30 p.m. Reservations should be made with Bruce Bonta, 865-6368, for this time period or for a separate appointment.

HANDBALL CLUB

A meeting to organize a Penn State Handball Club will be held Oct. 22, at 7 p.m., in Room 267 Recreation Bldg. Film of national handball championships will be shown.

The club would be open to all area handball players, and its goals would be to promote handball, improve communication among area players, and stimulate interest among prospective players and non-players. Robert Sherwin, acting chairman of a steering committee formed recently to organize a club.

Other steering committee members are Bob Eisenbraun, Craig Millar, Harlan Berger, and Dick Nelson.

Dues for the club have been set tentatively at \$2 per year. At the meeting, governance of the club, program planning, competition, and club meeting dates will be discussed.

FREE TUTORING

Pennsylvania Beta chapter of Tau Beta Pi, national engineering honor society, offers a free tutoring service from 7 to 8:00 p.m. in 212 Hammond every Tuesday throughout the year. Students in mathematics, physics, chemistry and engineering courses may avail themselves of this service.

of history which they cover and because of their completeness. As scholars examine them, they will be able to develop a picture of what kind of people these wealthy grandees were, how they lived, and their relationship to the society around them."

The work of Dr. Garner and Dr. Henderson was assisted by a grant from the title for the Arts and Humanistic Studies at Penn State.

"Language, Learning, and Cognitive Processes," by Dr. Francis J. Di Vesta, professor of psychology and psychology at the University, has been published by Brooks/Cole Publishing Company, a Division of Wadsworth Publishing Company. Intended for students in educational psychology, school psychology, and the education of exceptional children, the book is an introduction to the study of language as it affects the way learners store and use information. The first three sections of the book provide the reader with an understanding of the theoretical foundations of language, how language affects thinking ability, and development of the way language affects comprehension. The remainder of the book provides implications of research on language to instruction and related applications. The fourth section deals with the facilitation of learning through reading and learning from the use of visual materials. The fifth section is a discussion of how language functions in control status and power in various cultures and of some problems in bilingualism and teaching a second language. The book is one of nine paperbacks in the Basic Concepts in Educational Psychology series published by Brooks/Cole.

University Park Calendar

October 17-27, 1974

Items to be included in this calendar should be sent to the editor, Room 312 Old Main, by Thursday of the week preceding publication.

SPECIAL EVENTS

Thursday-Saturday, October 17-19 — University Theatre, "The Seagull," 8 p.m., Pavilion Theatre.

Thursday, October 17 — FSMA 410 dinner, "America 1800's Riverboat Dining," 5:30 p.m., Maple Room. Reservation required.

Thursday, October 17 — Two Cultures Dialogue, noon, Room 109 Materials Research Lab. Kenneth P. Wilkinson, rural sociology, on "Food and Man."

Friday, October 18 — Folk and Square dance Roundup, 7:30 p.m., North Gym, White.

Friday, October 18 — Artists Series, Andy and Joseph Paratore, duo-pianists, 8:30 p.m., Schwab.

Friday, October 18 — Commonsplace Coffeehouse, 8 p.m., Room 102 Kern. Entertainment by David and Denxeri, Rose 60th.

Saturday, October 19 — Sports: Football, vs. Syracuse, 1:30 p.m., Beaver Stadium. Cross country, vs. Pittsburgh. Women's field hockey, vs. Cortland, 10 a.m.

Saturday, October 19 — PSU Symphony Orchestra concert, 8:30 p.m., University Auditorium. Brahms's Academic Festival Overture, Beethoven's Emperor Concerto, Mendelssohn's Reformation Symphony.

Sunday, October 20 — Chapel Service, 11 a.m., Eisenhower Chapel. Stanley F. Paulson, dean of the College of the Liberal Arts.

Sunday, October 20 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

Sunday, October 20 — Colloquy, Dr. Raymond McNally, Dracula and vampire expert, on "In Search of Dracula," 8 p.m., Schwab.

SEMINARS

Thursday, October 17 — Agronomy, 3:45 p.m., Room 301 Ag. Adm. Dr. John C. F. Tedrow, Rutgers University, on "Soils of the Solar Regions."

Thursday, October 17 — Microbiology, 4 p.m., Room 52 Frear. Donald B. Clewell, oral biology and microbiology, University of Michigan Dental and Medical School, on "Structure, Function and Maintenance of Plasmids in Streptococci."

Thursday, October 17 — Microbiology, 3:55 p.m., Room 26 Mineral Sciences. Dr. Toby N. Carlson on "Extinction of Solar Radiation by Dense Haze Over the Tropical Atlantic."

Thursday, October 17 — Nuclear Engineering, 4 p.m., Breazeale Nuclear Reactor. Dr. Robert A. Shaw, Clarkson College of Technology, Potsdam, N.Y., on "Corrosion Product Radioisotope Concentration in BWR."

Thursday, October 17 — Computer Science, 4 p.m., Room 101 Altshuler. Dr. Ian Munro, applied analysis and computer science, University of Waterloo, on "Sorting and Searching in Multisets."

Thursday, October 17 — Anthropology, 3:30 p.m., Room 107 Social Science Bldg. Dr. Michael Steffy, on "Anthropology, the O. Ed. and What's Happening to Anthy 1."

Thursday, October 17 — Geosciences, 4 p.m., Room 22 Deike. Dr. T. Jordan, Princeton University, on "Deep Structure of the Continents."

Thursday, October 17 — Statistics, 4 p.m., Room 75 Willard. Gerry Tobbs, State University College of Potsdam, New York, on "Rank Tests and Categorical Data."

Friday, October 18 — Chemistry, 12:45 p.m., Room 333 Whitmore. Dr. R. B.

LECTURES

Thursday, October 17 — John Hejduk, architect, chairman division of architecture, The Cooper Union, "About Architecture." The lecture is illustrated and co-sponsored by the Department of Architecture.

Thursday, October 24 — Alfred S. S. Jenkins, American diplomat, on "The Chinese Connection," 8 p.m., Room 112 Kern.

FILMS

Thursday-Sunday, October 17-20 — Centre Cinema, "Mary Queen of Scots," 7:30 and 9 p.m., Thursday, Simmons Lounge, Friday-Sunday, Room 105 Form.

Friday-Sunday, October 18-20 — North Halls, "A Man Called Horse," 7:30 and 10 p.m., Room 102 Form.

Sunday, October 20 — Graduate Commons Evening Concert Series by Claremont Woodwind Quintet, 8 p.m., Room 112 Kern.

Monday, October 21 — Colloquy, Alan Oberhelman, on "The Occult Sciences: Numerology, Astrology and Tarot," 8 p.m., HUB ballroom.

Monday, October 21 — Color Slide Club, 7:30 p.m., Room 112 Kern. Dr. Alistair Fraser, associate professor of meteorology, illustrated talk on atmospheric phenomena. Slide judging by Donald Semenek. Public welcome.

Monday, October 21 — Violin recital by David Brooks, music major, 8:30 p.m., Music Building recital hall. Music by Bach, Chausson, Prokofiev, and Mozart.

Tuesday, October 22 — Museum of Art gallery talk by William Hull, director, 10:30 a.m., Gallery B, on master potters exhibited in gallery.

Tuesday, October 22 — Colloquy, Dr. Raymond Buckland, witchcraft expert and high priest, on "Witchcraft," 8 p.m., Schwab.

Wednesday, October 23 — Alard String Quartet recital, 8:30 p.m., Music Bldg. recital hall. Music includes American premiere of quartet by Valentes Juzepkavicius; also a Brahms quartet and Tchaikovsky sextet, with Paul Yarbrough, viola, and Peter Brye, cello.

Wednesday-Thursday, October 23-24 — FSMA 410 dinner, "Sicily," "Germany," 5:30 p.m., Maple Room. Reservation required.

Thursday, October 24 — Faculty Women's Club Fall Lecture Series, 9:30-11 a.m., HUB auditorium. Dr. Samuel Bayard, on "Folk Song and Music."

Bernstein, W. D. Doherty Professor of Chemistry and Physics, University of Texas, on "Detailed Molecular Beam Studies of the Dynamics of Elementary Reaction: Comparative Anatomy of a Direct Versus a Complex Mode Reaction."

Friday, October 18 — Physical Chemistry, 4 p.m., Room 333 Whitmore. Harold G. Munson, on "The Effects of Collisions on Molecular Reorientation Correlations from Depolarized Rayleigh Scattering of Dense Fluids."

Monday, October 21 — Plant Pathology, 5:45 a.m., Room 213 Buckhout. W. D. McIlveen on "Understanding the Biology of Soil Systems: Prelude to Biological Control."

Monday-Saturday, October 21-22 — Biochemistry, 11:10 a.m., Room 101 Altshuler. Dr. Harry P. Broquist, Vanderbilt University, on "Role of Lysine in Carnitine Biosynthesis: Biochemical and Nutritional Significance." Aspects of Lysine Metabolism in Yeast and Fungi.

Tuesday, October 22 — Physiology, 3:55 p.m., Room 8 Life Sciences. Dr. Alan Claremont, Rockford School of Medicine on "Comparison of Ventilatory, Heart Rate, Metabolic and Temperature Responses to Exercise at Extreme Ambient Temperatures (0 and 35 deg. C)."

Tuesday, October 22 — Geosciences, 4 p.m., Room 26 Mineral Sciences. Dr. George J. McMurtry, remote sensing, electrical engineering, on "Interdisciplinary Interpretation of ERTS Data."

Tuesday, October 22 — Philosophy, 8 p.m., Laurel Room, Nittany Lion Inn. Dr. David Pears, Christ Church, Oxford University, on "The Paradoxes of Self-Deception."

Tuesday, October 22 — Population Research Office, 12 noon (brown bag lunch), Room 22 Deike. Dr. Craig

Thursday-Sunday, October 17-20 — Pollock, "West World," 7:30 and 10 p.m., PUB.

Thursday-Sunday, October 17-20 — West Hall, "High Sierras," 7:30 and 10 p.m., Waring lounge.

Monday, October 21 — For Comparative Lit 100 class, open to public, 7:30 p.m., Room 101 Chambers. Jean Cocteau's "Orpheus."

Tuesday, October 22 — Graduate Commons Mid-Day Cinema, "The American Wilderness," 12:30 p.m., Room 112 Kern.

Wednesday, October 23 — Commonsplace Theatre, "High Sierra," 8 and 10 p.m., Room 112 Kern.

Thursday-Sunday, October 24-27 — Centre Cinema, "The Godfather," and 10 p.m., Thursday, Simmons Lounge, Friday-Sunday, Room 105 Form.

Friday-Sunday, October 25-27 — South

Thursday-Saturday, October 24-26 — Billiard Congress of America tournament for professionals, sessions at 1:30 and 7 p.m. Thursday and Friday; 1:30 and 8 p.m. Saturday; admission charge per session, \$1.50.

Thursday, October 24 — United Nations Day panel discussion, "Man and Food in the 20th Century: An International Perspective," 8 p.m., HUB assembly room. Participants: Dr. Wilbur Zelensky, Dr. Lynn G. Brinkman, Dr. E. E. Hunt, Jr., Dr. Paul D. Simkins, and Ralph R. Sell.

Friday, October 25 — Artists Series, New Japan Philharmonic, 8:30 p.m., University Auditorium. Music Series performance.

Friday, October 25 — Commonsplace Coffeehouse, 8 p.m., Room 102 Kern. Entertainment by John Davide.

Friday, October 25 — OTIS Casino Night for benefit of Centre County Day Care Center, 7:30 p.m., HUB ground floor.

Saturday, October 26 — Artists Series, New Japan Philharmonic, 8:30 p.m., University Auditorium. Special event performance.

Saturday-Sunday, October 26-27 — Pennsylvania Intercollegiate Chess Team Championship, rounds beginning at 8 a.m., Room 102 Kern. Observers welcome.

Sunday, October 27 — Chapel Service, 11 a.m., Eisenhower Chapel. The Reverend Ira Reed, Pastor First Presbyterian Church, Hershey.

Sunday, October 27 — Brown and Howells, duo-piano team, 3 p.m., Music Bldg. recital hall.

Sunday, October 27 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

R. Humphrey, on "The Demographic Impact of Controlled Access Highways on Nonmetropolitan Communities, 1940-1970."

Tuesday, October 22 — Air Pollution Control, 2:20 p.m., Room 140 Fenske. Eugene Koczkar, manager, Environment Division, James F. MacLaren, Ltd., Ontario, on "A Consulting Engineer's Approach to Air Pollution Control."

Wednesday, October 23 — Remote Sensing, 4 p.m., Room 204 Electrical Engineering. Donald Henninger, remote sensing, and Mark L. Stauffer, forest resources, on "The Use of Remote Sensing and Natural Indicators to Delineate Floodplains."

Wednesday, October 23 — Analytical Chemistry, 11:30 a.m., Room 333 Whitmore. Dr. Maurice Grier, University of Strasbourg, on "Polarography of Metallic Cryptates."

Thursday, October 24 — Microbiology, 4 p.m., Room 52 Frear. Christopher S. Humphrey on "Leukocyte-Mediated Cytotoxicity: An In Vitro Analogue of Homograft Rejection."

Thursday, October 24 — Physics, 3:35 p.m., Room 117 Osmond. Gerald D. Mahan, Indiana University, on "Superionic Conductors."

Thursday, October 24 — Agronomy, 3:45 p.m., Room 301 Ag. Administration. Dr. John Witly, on "Suitability of Centre County Soils for Waste Disposal."

Thursday, October 24 — Chemistry, 12:45 p.m., Room 333 Whitmore. Richard D. Sacks, University of Michigan, on "Analytical Applications of High-Temperature Radiation Sources Based on Shock-Wave Phenomena."

Friday, October 25 — Statistics, 4 p.m., Room 104 McAllister. Dr. William Strawderman, Rutgers University, on "Minimax Estimation of the Location Vector for Certain Non-Normal Distributions."

Halls, "A Touch of Glass," 7:30 and 10 p.m., Redler D.

Friday-Sunday, October 25-27 — East Halls, "They Shoot Horses," 7:30 and 10 p.m., Findlay Rec Room.

MEETINGS

Monday, October 21 — OTIS, 6:30 p.m., Room 203 HUB.

Monday, October 21 — Education Student Council, 7 p.m., Room 111 Chambers.

Tuesday, October 22 — ARHS, 7:30 p.m., Room 309 Boucke.

Tuesday, October 22 — Penn State Handball Club, 7 p.m., Room 267 Recreation Bldg. Organizational meeting, films of national and international championships.

Wednesday, October 23 — AWS, 7 p.m., HUB assembly room.

Artists Series

The piano duo, Anthony and Joseph Paratore will perform works by Mozart, Schumann, Debussy, Rachmaninoff, and Lutoslawski in the Artists Series program in Schwab Auditorium tomorrow (Friday, Oct. 18) at 8 p.m. The program is part of the Fine Arts Series.

The next Artists Series event in University Park will be the



Kazuyoshi Akiyama, one of two conductors for program by the New Japan Philharmonic, Oct. 25-26, on the Artists Series.

sity Auditorium will be the two performances by the New Japan Philharmonic Friday and Saturday, Oct. 25 and 26, with pianist Minoru Nollima as soloist.

Tickets for the two performances will go on sale Monday, Oct. 21, at the Auditorium box office (hours 9 a.m. to 4 p.m. weekdays and 10 a.m. to noon Saturday). However, many of the seats for the Friday performance are held by season ticket holders, so that the very best seats will be available for Saturday.

Nojima will play the Prokofiev Piano Concert No. 2 in G Minor, op. 16.

The program for Friday will be conducted by Kazuyoshi Akiyama and will include the Berlioz Overture to the Roman Carnival, Debussy's Prelude a l'apres-midi d'un laune; and Cesar Franck's Symphony in D minor. Saturday's program will substitute the Berlioz "Symphony Fantastique" for the Debussy and Franck works and will be conducted by Nanao Yamamoto.

WPSX highlights

(CHANNEL 3)

Friday, Oct. 18 — Film, 10 p.m., "The Hunchback of Notre Dame," 1923 version with Lon Chaney.

Saturday, Oct. 19 — Film, 10 p.m., "A Woman of Affairs," 1929 film with Greta Garbo, John Gilbert, and Douglas Fairbanks.

Sunday, Oct. 20 — Film, 6 p.m., "The Scarlet Letter," 1926 version with Lillian Gish.

Monday, Oct. 21 — "Drink, Grank, Drunk," hour-long series on alcoholic families, 8 p.m., followed by half-hour local program on Central Pennsylvania agencies.

Wednesday, Oct. 23 — Play, "The Chinese Prime Minister," with Gail Judit Anderson, 9 p.m.

Thursday, Oct. 24 — Two-hour, statewide program with candidates for governor and U.S. Senate, 8 p.m.

EXHIBITS

Museum of Art — Manyunk and Other Places: Paintings and drawings by Francis Speight, Galleries A and C. Twentieth Century Master Pottery, Gallery B, opening October 20.

Zoller Gallery — Super Mud '74, student ceramics invitational, through October 26.

Chambers Gallery — Jeanne Stevens-Sollman, drawings and ceramics, until October 18. Dan Patch, paintings, drawings and ceramics, opening October 18.

Kern Gallery — D. Blumenthal, acrylics. Ken Kuhn, paintings. Winfield House, jewelry, pottery and stained glass, through October.

Garnegie Bldg. — Photos by Jan Kreicbergas, Latvian photographer, arranged by School of Journalism.

Elliott receives Penn State Medal



William Elliott, chairman of the Executive Committee of the Philadelphia Life Insurance Co., received the "Penn State Medal" from President Oswald recently, recognizing Mr. Elliott's "continued dedicated service toward the betterment of higher education in Pennsylvania." For more than a decade Mr. Elliott has shown a deep interest in the University's business administration program and recently endowed a chair in the College of Business Administration, the first such chair to be announced in a new University program.

BALTES —

(Continued from page one)

tion with other researchers. Much of his work on aging, for example, has been conducted with Dr. Schaie, Dr. Gisela V. Lalouvie, of Wisconsin, and Dr. William J. Hoyer of Syracuse. At Penn State, he recently finished a study on personality development in adolescents with Dr. John R. Nesselrode, associate professor of human development.

Another facet of his research deals with developmental methodology, designing statistical models to help chart the course of human development. The author of a number of papers and articles, he co-edited the book, "Life-span Developmental Psychology — Personality and Socialization," which was released this spring. However, his major research focus is on the study of psychological aging.

"I originally became involved in psychological research on aging because I had methodological questions I wanted to solve, and the aged population provided meaningful answers," Dr. Baltes says. "I'm interested in the relationship between cultural change and human development, and the aged are the group most distant from what's happening right in society in terms of their initial, prime socialization period."

"It was only while doing this research that I became attracted to some of the issues and problems the aged face. I am persuaded that the potential of the elderly

LORD SNOW —

(Continued from page one)

Out of his background as a scientist who pursued both political and literary careers, Lord Snow developed the concept of "The Two Cultures and the Scientific Revolution," which was the title of the Rede Lecture that he delivered at Cambridge in 1959. In it, he stressed the importance of giving scientists a place in formulating government policy and of improving public understanding of science.

In 1950, Lord Snow married Pamela Harford Johnson, a novelist and critic. Her works of fiction include "This Bed Thy Centre," "Too Dear for My Possession," "An Avenue of Stone," "A Summer to Decide," "Catherine Carter," "The Last Refuge," "The Unspeakable Skipton," "Night and Silence Who is Here," and "Cork Street, Next to the Hatter's." Among her critical works are "On Iniquity," "Thomas Wolfe" and "Ivy Compton Burnett," and she has finished an autobiography, "Important to Me," which will be published in November.

Lord Snow's most recent books include "Public Affairs," "The State of Our State," on science, research and public policy, and a novel "The Malcontents." Another novel, "In Their Wisdom," will be published this fall and is already being dramatized for the London Theatre.

is largely unexplored. It is the extremely negative stereotype that our society holds about the aging process which, in my judgment, dictates to a large degree why aging often leads to undesirable outcomes."

One of Dr. Baltes's studies (conducted with Dr. Schaie and Dr. Nesselrode) has accumulated some very strong evidence to suggest that the stereotype that intellectual performance declines with aging is at least partially a myth. The aged may perform poorly on standardized intelligence tests, not because they are old but for a great number of other reasons that are only accidentally related to age. Their education, for example, may have been less effective than that available to most young people today. They are less familiar with test situations and often do not find it interesting to cooperate in achievement-oriented tests. In addition, most tests are constructed with a view to the young rather than the old.

Dr. Baltes's collective research on the aging process has also led to study of the relationship between culture changed and human development in other age groups. Thus, Dr. Nesselrode and Baltes have completed a ten-year longitudinal study examining the impact of cultural change in the U.S. on adolescent personality from 1970 to 1972.

"Most studies focus on what age does to people," Dr. Baltes points out. "We are focusing on the cultural moment, and we have found that age is less important in

linguistics; jurisprudence; comparative religion; ethics; archaeology; the history, theory, and criticism of the arts and the social sciences concerned with human values and aesthetics. Total cost, \$5,000. Contact: Robert M. Giannelli, Exec. Dir., The Public Committee for the Humanities in Pa., Bucknell Univ., Lewisburg, Pa. 17037 (717-324-3337). Application deadline: Nov. 11 and Dec. 16, 1974, and Feb. 3, May 5 and Aug. 19, 1975. (Ref. PCPH announcement — GAS).

(195-4) The National Science Foundation (NSF) is making research grants to institutions capable of conducting project assessment and impact assessment studies related to education in the sciences (including social sciences), mathematics and/or technology. Grants will run the gamut from elementary through adult education. This information has been distributed. Contact: James L. Vitto, Head, General Contracts Section, NSF Contract Branch, Room 630, 1800 G Street, N.W., Wash., D.C. 20550 (202-632-5892). Ref. CBO 9/23/74.

(195-3) The Social Science Research Council has announced Fellowships and Grants for 1974-75. Programs include, post-doctoral research fellowships, fellowships and grants for training and research on foreign areas. Research training fellowships have a Dec. 2, 1974, deadline. Foreign areas programs deadlines range from Nov. 1, 1974, through March 1, 1975, depending upon the area. (Ref. SSCRC announcement).

(195-4) The American Psychological Assn. will offer 1975 doctoral fellowships. Write to the Assn., Alt., R. 8, Kurt L. McKinstry Bldg., Univ. of Educational Affairs, 1200 17th St., N.W., Wash., D.C. 20035 (202-633-7692).

(195-1) Matching funds for equipment to be used in undergraduate science courses will be granted by the National Science Foundation. The Instructional Scientific Equipment program will accept applications from both two- and four-year institutions, "including semi-autonomous units sep-

Search committee named for Altoona director post

President Oswald has appointed an Advisory Search Committee to assist him in identifying candidates for the position of Director for the Altoona Campus. Members of the committee are drawn from faculty, administration and the student body at the University.

The Advisory Search Committee is chaired by Altheim S. Shaw, Associate Professor of Biology (Altoona). Other committee members are Richard Hart, Instructor in History (Altoona); Ronald Hoshour, Professor of English (Altoona); Walter G. Braun, Associate Dean for Instruction in the College of Engineering; Edward R. Fagan, Professor of Secondary Education (University Park); Stephen M. Fricke, Assistant Professor of Education (University Park); Robert G. Gorman, Director of Administration and Field Services, Continuing Education (University Park); and Michael E. Cassidy, President of the Altoona Campus Student Government Association.

The Advisory Search Committee is to identify those candidates who can provide the ablet post-graduate academic leader in the field of Continuing Education and who can provide the leadership, possess a doctoral degree, or equivalent, and several years experience in teaching at the University level and/or experience in the administration of higher education. The committee will receive suggestions and nominations from all sources both within and outside the University. These should be forwarded to: Dr. Robert G. Quinn, Dean of Continuing Education, Instructional Services Building, Old Main, University Park, Pennsylvania 16802, no later than November 15, 1974.

UN DAY —

(Continued from page one)

tion Issues Research Office, will serve as moderator for the program.

Other speakers will be Dr. Lynn B. Brinkman, assistant professor of nutrition science; Dr. Edward E. Hunt, Jr., professor of health education; Dr. Paul D. Simkins, professor of geography; and Ralph R. Sell, a research assistant in the Population Is-

lands Research Office. UN Day this year observes the 29th anniversary of the founding of the United Nations. This program is sponsored by the University's College of Earth and Mineral Sciences and the Centre County Chapter of the United Nations Association.

human development than people have assumed."

"For example, adolescents as a whole were shown to decrease in what is technically called super ego strength, social-emotional anxiety, and achievement during the period of 1970-72, independent of their age level. Similarly, all adolescents from 1970-72 increased in independence during the same historical period. These data suggest that there is not a fixed sequence of adolescent development, but that its rate and direction is largely defined by the cultural context. In a way, these recent results on the impact of cultural change on adolescents nicely parallel our data on adult intelligence, where it was also shown that age per se is less important than the cohort or generation of which one is a member."

Working with Dr. Sherry Willis, assistant professor of early childhood education, and graduate students Judy Ravizza and Elizabeth Barton, Dr. Baltes is currently designing a series of projects aimed at exploring new educational technologies for maintaining and improving intellectual performance in older adults. "The most intensive research is, as he puts it "at least encouraging."

Dr. Baltes also collaborates occasionally rather closely to home. His wife, Margret, an assistant professor of human development at Penn State, was one of the authors of the intellectual behavior in old age study.

arated geographically and administratively from the main campus." Proposals are due by NSF by Oct. 15, 1974. Guidelines have been distributed (Ref. E-75-10).

(195-2) Research areas which have a close relationship to the solution of energy problems are supported by NSF's Research Directorate. Through the Directorate, research proposals for research proposals will be judged on their scientific merit, without special competitions or reviewing. Proposals should be prepared according to the instructions in NSF's "Guidelines for Research Proposals" available from R. Kohler, 865-1372. Also available are preliminary definitions of areas of research considered to be energy-related. NSF also holds short workshops to delineate research opportunities. (Ref. NSF announcement ERS-52-274.)

(195-3) NSF's Office of Science Information Services is soliciting proposals for improved dissemination of Use of Scientific and Technical Information. Nine subject areas are featured: (1) industrial settings, (2) science communication systems and services, (3) marketing strategies and techniques, (4) economic characteristics, (5) services and systems performance evaluation, (6) energy R&D information, (7) data logging, (8) editorial processing and (9) condition of system. In program contact is Carole Gann (202-632-5590) (Ref. NSF Bulletin October, 1974).

(195-4) The next deadline for NSF Energy-Related Graduate Fellowships is Dec. 1, 1974. If institutional proposals are accepted, graduate students may apply to the institution. Grants are \$2500 monthly to the student, and administrative and operational cost allowances are paid to the institution. Coal and oil shale, solar energy and geothermal research is emphasized. The proposal guide is available from ERG, Education and Research Manager, Fellowship and Training Section, Office of Higher Education in Science, NSF, Washington, D.C. 20550 (202-682-7595). (Ref. NSF Bulletin, October, 1974)

Staff vacancies

University faculty or staff members who are interested in any of the above or staff positions listed below may apply by filling out and mailing to the Personnel Office, University Employment Division, 865-1387 (Networks Link to 1387). Do not contact the area having the vacancy. Applications will be accepted on a first-come, first-served basis. S.p.m.

October 31, 1974

LANDSCAPE ARCHITECT, OFFICE OF PHYSICAL PLANNING — University Park
Design and develop landscape plans and specifications for new and existing facilities utilizing current and historic landscape planning and development, considering such aspects as aesthetic and function design. Bachelor's degree or equivalent in landscape architecture with two to three years of related experience.

RESEARCH AIDE (JAIL RESOURCES STUDY) COLLEGE OF HUMAN DEVELOPMENT — University Park

Conduct computer data analysis as directed by the Jail Resources for Drug Treatment project staff. Assist in the preparation of reports and other written reports. Coordinate administrative functions of the Jail Resources project. Utilize programs utilizing the statistical packages for the Social Sciences and other pre-packaged programs. Bachelor's degree or equivalent in a human services field, with computer programming and statistical analysis for the Social Sciences, plus experience in human services programs or research.

COUNSELOR (COOPER DEVELOPMENT AND PLACEMENT) — New Kensington
Responsible to the Dean of Student Affairs in planning and group counseling focusing primarily on students of vocational concerns. Responsible for pre-registration testing; assisting with career counseling and orientation. Provides consultation to other members of the Student Affairs staff on campus community. Master's degree in Counselor Education or related area or equivalent plus a minimum of three years applicable experience. **RESEARCH AIDE, COLLEGE OF SCIENCE — University Park**

Responsible for the separation, purification, and analysis of proteins and enzymes. Prepare, prepare, and maintain cultures of microorganisms in experimental use. Prepare culture media and reagent solutions as needed. Separate and purify subcellular fractions by ultracentrifugation. Operate a computerized spectrophotometer, a gas-liquid chromatograph, a mass spectrometer, and amino acid analyzer. Determine enzyme activities and reaction products by radiochemical analyses. Utilize processes such as electrophoresis, chromatography, and immunology for the analysis and purification of proteins. Bachelor's degree or equivalent in Biochemistry, Chemistry, or Biology with two to three years related experience plus a minimum of 60 chemical techniques and instrumentation.

RECORDER, COLLEGE OF HUMAN DEVELOPMENT — University Park
Coordinate and maintain a data system to fulfill the requirements of various agencies and departments. Prepare and maintain enrollment statistics and materials needed for decision making in the College of Human Development. Prepare registration and graduation information for advisors and students. Answer admissions correspondence and inquiries. Bachelor's degree or equivalent with six to ten months effective experience in administration. **WRITER, COLLEGE OF HUMAN DEVELOPMENT — University Park**

To assist in the preparation of scientific reports, journal articles, research proposals and other publications which are necessary for the dissemination of research information. Bachelor's degree or equivalent with six to ten months effective experience in administration. **WRITER, COLLEGE OF HUMAN DEVELOPMENT — University Park**

The UNIVERSITY IS AN EQUAL OPPORTUNITY EMPLOYER

HUB specials

OCTOBER 20-26
Sunday, Oct. 20 — Omelet, stuffed mushroom, \$1.00; beef, beef stew, \$1.00.
Monday, Oct. 21 — Beef, beef stew, \$1.00; hot roast beef sandwich, \$1.07; dinner, beef stew, \$1.00.
Tuesday, Oct. 22 — Lunch, \$1.25; dinner, \$1.25.
Wednesday, Oct. 23 — Lunch, \$1.25; dinner, \$1.25.
Thursday, Oct. 24 — Lunch, \$1.25; dinner, \$1.25.
Friday, Oct. 25 — Lunch, \$1.25; dinner, \$1.25.
Saturday, Oct. 26 — Lunch, \$1.00; dinner, \$1.00.

Funding Opportunities

For procedural and funding source information, call 865-1372.

October 17, 1974

(150-2) Submission of Title II Water Resources Research Project proposals for FY 1975 must be made by Jan. 10, 1975. This program supports grants, contracts and matching or other arrangements. The newly reorganized Office of Water Research and Technology (OWRT) — Aug. 29 (NTERCOM 2147-4) accepts unsolicited technical proposals, but emphasizes support of research in the following fields: inland water resources planning and management, encouraging Indian self-determination and improvement in the quality of life in Indian reservations, solving of energy-related water problems, promotion of water use efficiency and protection of the environment. Proposal materials and procedure from OWRT (OWRT Procedures Manual #74-2) are available from Dr. A. J. McDonnell, Director, PSU Water Resources Center (865-3933). Early contact is suggested. (Ref. OWRT proposal letter 9/13/74 and CBO, 9/10/74 distributed).

(195-3) A program of community-oriented discussion program to bring the public into contact with humanities professors is funded by the Public Committee for the Humanities in Pennsylvania. The program theme will be, "The People of Pennsylvania and Their Institutions: Who Does What?" The Public Committee is an independent organization affiliated with the National Endowment for the Humanities (NEH), and this program is to bring the humanities professor into meaningful dialog with the out-of-school adult. Humanities include philosophy, history, literature, language,

PENN STATE intercom

Volume 4, Number 8

October 24, 1974

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

Distinguished scholars to attend

Surrealism conference here Nov. 7-9

Drama, music, films, literature, and art will all be explored in "Surrealism: A Celebration," Nov. 7-9, a Continuing Education service of the College of Arts and Architecture, College of the Liberal Arts, and the Institute for the Arts and Humanities Studies.

The celebration is the 50th anniversary of the publication in Paris of Andre Breton's "manifeste du Surrealisme," from which the movement in the various forms of art stemmed.

The three-day conference, attracting scholars from far and wide, will be opened with the introduction of distinguished guests and an address by M. Gilles Pouget, Conseiller Culturel Adjoint, Ambassade de France, at 1 p.m., Thursday.

Among the distinguished American and foreign visitors who will lecture during the conference are Julien Levy, who in the 1930s introduced Surrealism to the U.S. through his New York gallery; Marcel Jeun, from France, Surrealist painter since 1933 and author of "The History of Surrealist Painting"; and Jorge de Sena, Portuguese Surrealist. There are many others.

In addition to formal lectures of the Conference, there will be exhibitions, music programs by faculty members and area residents and by the University Symphony;

a ballet performed by local dancers; films; Surrealist art exhibited in Zoller Gallery; two Surrealist plays in the Playhouse; and a banquet in the HUB ballroom Saturday, Nov. 9.

Registration for the Conference is taking place in Room 409 Keller Bldg., where additional information may be obtained. The general registration fee is \$35, which includes a banquet ticket and admission to theatre, music, and ballet performances. A special student registration fee of \$10, which does not include the banquet, has also been set.

As part of the celebration, papers presented at the conference will be published in the Journal of General Education. A program-catalog is being published, and a color film of the occasion is being planned for production by WPSX-TV.

Dr. Robert F. Lima, head of the comparative literature program, has organized the conference.

Among the events open to the general public are the plays at Playhouse theatre (see calendar); the music program and ballet Thursday, at 8:30 p.m., in Schwab Auditorium; the Zoller Gallery art exhibits; and the displays of rare books, manuscripts, etc., in the Pattee Library Rare Books Room.

"However," the revised policy states, "the University recognizes that there are, in some instances, circumstances such as specialized educational background and experience where employment by two members of the family in a single work area is desirable even though a supervisory relationship results."

In such special situations, placement of relatives may be made in the same area even though one of the related employees is in a supervising capacity.

This is provided, however, that satisfactory arrangements are outlined and approved in advance, either by the provost of the University or by the provost of the

(Continued on page four)

Lord, Lady Snow to lecture next week

British novelist and scientist C. P. Snow and his wife, author Pamela Horsford Johnson, will be on campus Oct. 28-31. Lord Snow will speak as Graduate School Lecturer of 8 p.m. Tuesday, Oct. 29, in University Auditorium on "The Flight from Reason." He will discuss the resurgence of anti-science and anti-reason and the attempts to escape the limits of rationality. This includes current vogues for various forms of scientific charlatanism, including astrology and various paranormal philosophies. Lady Snow will address the English Colloquium at 8 p.m. Oct. 30 in Room 101 Kern Bldg.



Student records affected by legislation

U. Council considers confidentiality

University Council, concerned about confidentiality of records pertaining to students, and also about how such records might be affected by the Buckley amendment, now enacted into law as a part of the Elementary and Secondary Education Act, heard Dr. Raymond O. Murphy, vice-president for student affairs, outline records his office maintains on students last week.

Council, wishing to continue the study of recordkeeping, will ask Ralph E. Zilly, vice-president for business, and David E. Stormer, director of University Safety, to discuss records in the Division of University Safety at the next meeting, scheduled for noon on Thursday, Nov. 7. Two associate deans also will be invited to discuss academic records maintained in the Colleges.

Dr. Murphy listed the student records maintained by his office, including the Biographical Folder, completed when the student applies for admission; the Medical Record, initiated with the physical examination forms the student submits prior to enrolling, which also may include a psychiatric record if one exists for the student; student aid files, providing financial

aid is involved; placement credentials only in the case of students in the College of Education or those planning to enter the field of teaching; and disciplinary records, if such records exist for a student.

He outlined policies for destruction of the records, except for the medical record, on the graduation of a student, and procedures for maintaining the strict confidentiality of records.

The Buckley amendment, it is noted, provides, among other things, for opening the records of a student to the student and his parents if the student is under 18 years of age; and to the student, if he is over 18 years of age, as well as to certain Federal agencies, regardless of the age of the student.

It was pointed out that University officials, concerned about the provisions of the amendment, which is the basis for guidelines now in preparation by the Department of Health, Education, and Welfare, has registered concern through the National Assn. of State Universities and Land-Grant Colleges about these provisions.

Among the concerns are the assumption that total revelation of a student's medical and psychiatric records is always in his best interest; the fact that campus security departments, often required to function in accordance with state laws, may conflict with requirements of the new Federal law; and that the new law, written in the context of public and elementary schools, will need implementing guidelines to reflect the context of higher education.

The matter of retroactivity of application also is a concern because information now in student files may have been obtained under conditions of assured non-disclosure, greater precision of terminology is needed in the law; and guidelines should be clearly supportive of the institution's need to charge fees for record release and record transfer activities.

University officials also expressed the hope for a 60-day "grace period" before access activity would begin so they could develop appropriate institutional procedures.

A preliminary report on the graduating student instructional evaluation questionnaire completed by graduating seniors last Spring also was made, and a complete report will be received later.

Policy changes announced

Employment of relatives affected

Changes have been made in University policies which in the past have disallowed the employment of members of the same family where one is in a position to supervise or influence certain personnel actions of the other, Ralph E. Zilly, vice-president for business, has announced. The policy revision has been made as a part of the University's continued updating of its program of Affirmative Action.

Normally, placement will not be made where one employee is in a position to supervise or to influence the related employee's rate of pay, promotion or granting of tenure, or where the handling of confidential information could create awkward work situations.

SENATE REPORT

The Academic Affairs Committee of the University Faculty Senate is a broad committee which considers matters in all three major areas of University activities — instruction, research and continuing education.

As a policy-making committee concerned with all educational policies of the University except admissions, its major function is to maintain the academic quality of the University.

In line with this responsibility, an Academic Affairs subcommittee developed guidelines for reviewing and evaluating external degree programs to be offered by the University. The subcommittee recommended establishment of an external degree in nursing, which was approved by the Senate last December, and presently is considering external degree programs in sociology and general arts and sciences.

According to Dr. Thomas E. Daubert, Academic Affairs Committee chairman, a number of other subcommittees have been authorized under Senate rules.

They include:

—Physical Plant Planning, which acts in advisory role to the administration.

—Division of Undergraduate Studies, which advises in the development of the newly-created academic division. The subcommittee currently is studying some of the division's problems, including programmatic research support for testing ac-

tivities, the advising of adjunct students, standards for transfer between colleges and departments, and its relationship to other academic and administrative units.

—Policy Basics for Senate. This subcommittee is examining the general education policies of the University as seen by the Faculty Senate and comparing these with the academic master plan of the Board of Trustees.

—Resident Education — Continuing Education, which is working on revising Senate definitions for resident education and continuing education and the rules governing their interaction.

—Student Evaluations — In rejecting most of the recommendations of a committee in March, the Senate established this permanent subcommittee to be responsible for developing comprehensive policy statements on evaluation of courses, programs and instructors.

—Grade Distributions — Noting that the tendency of grades to be inflated has been shown throughout the country, Dr. Daubert said this subcommittee was established in an effort to correlate the University's experience with national studies to determine reasons for the trend and whether any actions should be taken locally to alleviate the situation.

Besides the work of the subcommittees, Dr. Daubert said the

(Continued on page two)

University Park Calendar

October 24-November 3, 1974

Items to be included in this calendar should be sent to the editor, Room 312 Old Main, by Thursday of the week preceding publication.

SPECIAL EVENTS

Thursday, October 24 — Black Christian Fellowship Religious Emphasis Week worship service, 7:30 p.m., Walnut Bldg. Elder Ravanel, pastor, Church of God in Christ, Mount Union.

Thursday, October 24 — Faculty Women's Club Fall Lecture Series, 9:30-11 a.m., HUB assembly room. Samuel Bayard, on "Folk Song and Music."

Thursday, October 24 — Penn State Chaplains' collective bargaining discussion, 11:45 a.m.-1:45 p.m., HUB dining room C.

Thursday-Saturday, October 24-26 — Billiard Congress of America tournament for professionals, sessions at 1:30 and 8 p.m. Thursday and Friday; 1:30 and 8 p.m. Saturday; admission charge per session, \$1.50.

Thursday, October 24 — United Nations Day panel discussion, "Man and Food in the 20th Century: An International Perspective," 8 p.m., HUB assembly room. Participants: Dr. Wilbur Zelensky, Dr. Lynn G. Brinkman, Dr. E. E. Hunt, Jr., Dr. Paul D. Simkins, and Ralph R. Sell.

Friday, October 25 — Artists Series, New Japan Philharmonic, 8:30 p.m., University Auditorium. Music Series performance.

Friday, October 25 — Commonsplace Coffeehouse, 8 p.m., Room 102 Kern. Entertainment by John David.

Friday, October 25 — OTIS Casino Night for benefit of Centre County Day Care Center, 7:30 p.m., HUB ground floor.

Saturday, October 26 — Artists Series, New Japan Philharmonic, 8:30 p.m., University Auditorium. Special event performance.

Saturday-Sunday, October 26-27 — Pennsylvania Intercollegiate Chess Team Championship, round beginning at 8 a.m., Room 102 Kern. Observers welcome.

Sunday, October 27 — Gospel Festival program for Religious Emphasis Week, 3 p.m., Schwab Chapel. Tickets at door \$3.00, in advance, \$2.50.

Sunday, October 27 — Chapel Service, 11 a.m., Eisenhower Chapel. The Reverend Ira Reed, Pastor First Presbyterian Church, Hershey.

Sunday, October 27 — Stephen Brown and Eleanor Howells, duo-piano team, 3 p.m., Music Bldg. recital hall. Works for two pianos by Schumann, Poulenc, Copland, and Rachmaninoff.

Sunday, October 27 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

Monday, October 28 — Gamma Psi Epsilon program, 8 p.m., McElwain piano lounge. Dr. Burk B. Hart, speaker.

Tuesday, October 29 — Halloween party for children of faculty staff and graduate students, sponsored by Graduate Association, 7 to 9:30 p.m.

Tuesday, October 29 — Sports: Women's field hockey, vs. Shippensburg, 2:30 p.m.

Wednesday, October 30 — Equestrian Club, 7:30 p.m., Room 111 Animal Industries. Horse Judging Team Demonstration.

Wednesday, October 30 — University Theatre preview, Surrealist Theatre Celebration, 8 p.m., Playhouse Theatre.

Wednesday-Thursday, October 30-31 — FSHA 410 dinner, "Poland," "Classical French," 5:30 p.m., Maple Room. Reservations required.

Wednesday, October 30 — Dean Stanley F. Paulson, College of the Liberal Arts, on "Current Attitudes about the Academic Process in the People's Republic of China," 8 p.m., Chapel lounge, sponsored by Travel Study Group, A.A.U.W.

Thursday, October 31 — Faculty Women's Club Fall Lecture Series, 9:30 a.m., HUB auditorium.

Thursday-Saturday, October 31-November 2 — University Theatre, Surrealist Celebration, "The Breasts of Tiresias and 'The Wedding on the Eiffel Tower,'" 8 p.m., Playhouse Theatre.

Friday, November 1 — Sports: Soccer, vs. Shippensburg, 7 p.m., Jeffrey Field.

Friday, November 1 — Folk and Square Dance Roundup, 7:30 p.m., North Gym, White.

Friday, November 1 — Free University Jammy, 7 p.m., HUB ballroom.

Saturday, November 2 — Sports: Football, vs. Maryland, 1:30 p.m., Beaver Stadium.

Sunday, November 3 — USTFF Championships, Beaver Stadium.

Sunday, November 3 — Chapel Service, 11 a.m., Music Bldg. recital hall. President John W. Oswald.

Sunday, November 3 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

Artists Series



Minoru Nojima, pianist.

Minoru Nojima, brilliant young pianist, will play Prokofiev's Second Piano Concerto with the New Japan Philharmonic on Thursday, October 31 in University Auditorium, at 8:30 p.m. It is the same work he played two years ago on campus, when the audience cheered his solo performance. Nojima plays concerts on both sides of the Pacific now, and critics continue to praise his performances highly. Since 1969, when he won the Van Cliburn competition in Fort Worth, he has had a busy schedule. Now 26 years old, Nojima began his studies at the age of three, at 15 entered the famous Toho Music School, and at 18 won the first grand prize in Japan's Nationwide Music Concours. He studied in Moscow under a special two-year scholarship awarded by the Soviet Union.

The next event in the Artists Series is an Ingarman Bergman film, "Smiles of a Summer Night," Tuesday, Nov. 5, at University Auditorium.

FILMS

Thursday-Sunday, October 24-27 — Centre Cinema, "The Godfather," 7 and 10 p.m. Thursday, Simmons Lounge, Friday-Sunday, Room 105 Forum.

Friday-Sunday, October 25-27 — South Halls, "A Touch of Glass," 7:30 and 10 p.m., Redler D.

Friday-Sunday, October 25-27 — East Halls, "They Shot Horses," 7:30 and 10 p.m., Findlay Rec Room.

Friday-Sunday, October 25-27 — North Halls, "Easy Rider," 7:30 and 10 p.m., Room 102 Forum.

Friday-Sunday, October 25-27 — West Halls, "Romeo and Juliet," 7:30 and 10 p.m., Winfield lounge.

Tuesday, October 29 — Commons Mid-Day Cinema, 12:30 p.m., Room 112 Kern. "Cave People of the Philippines."

Wednesday, October 30 — Commonsplace Theatre, "Duck Soup," 8 and 10 p.m., Room 112 Kern.

HUB specials

Oct. 27-Nov. 2

Oct. 27-28 — Dinner, roast turkey, \$1.66 (supper, spaghetti with meat sauce, \$1.17).

Monday, Oct. 28 — Lunch, franks and kurt, \$.98; dinner, Chinese paper area, \$1.09.

Tuesday, Oct. 29 — Lunch, golomobi, \$1.21; dinner, chicken and waffles, \$1.25.

Wednesday, Oct. 30 — Lunch, soup, blueberry infers, sausage, \$2.90; dinner, noodle zoulash, \$1.34.

Thursday, Oct. 31 — Lunch, spaghetti, \$1.17; dinner, Salisbury steak, \$1.43 (Halloween candle).

Friday, Nov. 1 — Lunch, seafood cakes, \$1.06; dinner, baked stuffed Hubbard, \$1.49.

Saturday, Nov. 2 — Lunch, chili con carne, \$.64; dinner, Maryland chicken steak, \$1.24.

WPSX highlights

Friday, Oct. 25 — Series of interviews with area Legislature candidates begins, 9 p.m. Also Oct. 26, 29, and 30, 9 p.m.

Thursday, Oct. 31 — Four interviews at 8 p.m.

Sunday, Oct. 27 — 1929 Film, "West of Zanzibar," 10 p.m. Chancy, Lionel Barrymore, Warner Baxter, 6 p.m.

Sunday, Oct. 27 — Half hour concert by Steven Smith, associate professor of music, 10:30 p.m.

Tuesday, Oct. 29 — Series begins on Techniques of Hunting Safety, 8:30 p.m.

SEMINARS

Thursday, October 24 — Microbiology, 4 p.m., Room S2 Frear. Christopher S. Henney on "Lymphocyte-Mediated Cytotoxicity: An In Vitro Analogue of Homologous Interference."

Thursday, October 24 — Physics, 3:35 p.m., Room 117 Osmond. Gerald D. Mahan, Indiana University, on "Superionic Conductors."

Thursday, October 24 — Agronomy, 3:45 p.m., Room 301 Ag. Administration. Dr. John Witly, on "Suitability of Centre County Soils for Waste Disposal."

Thursday, October 24 — Chemistry, 12:45 p.m., Room 333 Whitmore. Richard D. Sacks, University of Michigan, on "Analytical Applications of High-Temperature Radiation Sources Based on Shock-Wave Phenomena."

Thursday, October 24 — Meteorology, 3:55 p.m., Room 26 Mineral Sciences. Mark Donelson, Physical Processes Unit, Canada Centre for Inland Waters, Burlington, Ontario, on "Some Curious Atmospheric Boundary Layer Profiles and their Implications for Air-Water Interactions."

Friday, October 25 — Statistics, 4 p.m., Room 104 McAllister. Dr. William Strawman, Rutgers University, on "Minifac Estimation of the Location Vector for Center Normal Distribution."

Friday, October 25 — Physical Chemistry, 4 p.m., Room 333 Whitmore. Howard B. Palmer, fuel science, on "Electronic Excitation in Products of Some Gaseous Systems."

Monday, October 28 — Inter-Science Series, 4 p.m., Room 333 Whitmore. David Wilson, U. of Pennsylvania Johnson Research Foundation, on "Mitochondrial Oxidative Phosphorylation and Respiratory Control."

Monday, October 28 — Entomology, 4 p.m., Room 204 Patterson. Dr. Rimg T. Carde, Cornell University, on "Chemical Communication in Moths."

Monday, October 28 — Plant Pathology, 9:45 a.m., Room 213 Buckhout. S. C. Dalmacio on "Biology and Control of Corn of Corn Downy Mildew."

Monday, October 28 — Genetics, 4 p.m., Room 111 Tyson. Dale Baker, soil chemist, Rutgers University, on "Time Dependent Effects in Superconductivity."

Monday, October 28 — Architecture, 8 p.m., Room 105 Forum. Peter Hourihan, president of Building Science Inc., Buffalo, on "The Construction Management Issues." The seminar is co-sponsored by the Department of Architectural Engineering, Landscape Architecture and the Division of Man-Environment Relations.

Monday-Tuesday, October 28-29 — Biochemistry, 11:10 a.m., Room 101 Althouse. Dr. J. V. Maizel, Jr., Laboratory of Molecular Genetics, NIH Child Health and Human Development.

Tuesday, October 29 — Physiology, 3:55 p.m., Room 104 Fenske. Dr. R. Mumma, Plastic Research Laboratory, on "Ascorbic Acid, Cholesterol and Atherosclerosis."

Tuesday, October 29 — Air Pollution Control, 8 p.m., Room 140 Fenske. Christine J. Bystron, Planning Analyst, Bureau of Advanced Planning, Pa. Dept. of Transportation, Harrisburg, on "Air Pollution Evaluation in Transportation Planning."

Tuesday, October 29 — Chemical Engineering, 3:45 p.m., Room 140 Fenske. T. R. Anthony, General Electric Company, on "Liquid Droplet Migration in Solids."

Wednesday, October 30 — Analytical Chemistry, 11:30 a.m., Room 333 Whitmore. Bruce Begnoche on "Analysis of Particulate Metals in Ambient Air by Low-Volume Sampling."

Wednesday, October 30 — Agronomy, 3:45 p.m., Room 301 Ag. Administration. Dr. John Witly on "Suitability of Centre County Soils for Waste Disposal."

Thursday, October 31 — Mathematics, 4 p.m., Room 104 McAllister. Hendrickson on "Sums of kth Power Series in the Ring of Polynomials with Coefficients."

Thursday, October 31 — Physics, 3:55 p.m., Room 117 Osmond. William L. McGuire, Rutgers University, on "Time Dependent Effects in Superconductivity."

Thursday, October 31 — Microbiology, 4 p.m., Room S2 Frear. Gary Pearson on "The Role of Antibody Dependent Lymphocyte Cytotoxicity in Tumor Immunity."

Thursday, October 31 — Chemistry, 12:45 p.m., Room 333 Whitmore. Robert C. West, U. of Wisconsin, on "Aromatic Properties of Cyclopolyisylanes."

Thursday, October 31 — Nuclear Engineering, 1:30 p.m., Room 111 Breazeale Nuclear Reactor. Dr. Gene L. Woodruff, Director, Nuclear Engineering Labs, University of Washington, Seattle, on "Fast Neutron Spectroscopy with Proton Recoil Proportional Counters."

Thursday, October 31 — Engineering Science and Mechanics, 2 p.m., Room 215 Hammond. John Simmons, University of Toronto, on "Properties of Interfaces in Semiconductor-Semiconductor Systems."

Thursday, October 31 — Meteorology, 3:30 p.m., Room 541 Deike. Dr. J. J. Olivero on "An Upper Atmospheric Pourpourri."

Thursday, October 31 — Statistics, 4 p.m., Room 75 Willard. Dr. David K. Allen, Cornell University, on "A Linear Models Algorithm with Very Low Storage Requirements."

Thursday, October 31 — Computer Science, 4 p.m., Room 101 Althouse Lab. Jeffrey J. Ullman, Princeton University, on "Operations on Sparse Relations and Applications to Grammar Problems."

Thursday, October 31 — Engineering Acoustics, 4 p.m., Room 71 Willard. Dr. Thomas Frank, speech pathology and audiology, on "Impedance Audiometry."

MEETINGS

Tuesday, October 29 — Senate Council, 2:10 p.m., Room 101 Kern.

Tuesday, October 29 — College of Earth and Mineral Sciences faculty, 4 p.m., Room 26 Mineral Sciences.

Tuesday, October 29 — Engineering Undergraduate Council, 7:30 p.m., Room 207 Sackett.

Wednesday, October 30 — Association for Childhood Education International meeting, Murray Dellulis, children's book illustrator, 7:30 p.m., Black Cultural Center.

Wednesday, October 30 — USG Academic Assembly, 7:30 p.m., Room 311 Boucke.

Thursday, October 31 — Penn State Mining Society, 7:30 p.m., Room 121 Mineral Industries Bldg. R. Lindsay Mundell, supervisory mining engineer, U.S. Mine Enforcement and Safety Administration, on "MESA and Respirable Dust Control."

LECTURES

Thursday, October 24 — Alfred Le S. Jenkins, American diplomat, on "The Chinese Connection," 8 p.m., Room 112 Kern.

Friday, October 29 — C. P. Snow, novelist and scientist, on "The Flight from Reason," 8 p.m., University Auditorium. The lecture is sponsored by the Institute for the Arts and Humanistic Studies.

Wednesday, October 30 — Pamela Hansford Johnson will address the English Colloquium, 8 p.m., Room 101 Kern.

Wednesday, October 30 — Dr. Kevin F. Collis, University of New Castle, Australia, and the University of Nottingham, England, on "Research in the Development of Formal Reading." The lecture is sponsored by the College of Education and Phi Delta Kappa Professional Society.

Wednesday-Thursday, October 30-31 — 1974 Nelson W. Taylor Lectures by Dr. Herman Mark, Polytechnic Institute of

New York, Wednesday, 4 p.m., Room 26 Mineral Sciences, on "Polymers as Materials." Thursday, 8 p.m., Military Lion Inn assembly room, on "Polymers in the Next Decade." Wine and cheese party following is open to public.

Thursday, October 31 — Dr. Tomislav Marasovic, co-director of the joint American-Yugoslav excavations in Diocletian's Palace, on "Precise Surveys — An Indispensable Method in Archaeological and Architectural Research," 3:30 p.m., Room 102 Social Science Bldg. The lecture is sponsored by the Institute for the Arts and Humanistic Studies.

OFFICIAL

Monday, October 28 — First day for signing NDSL (National Direct Student Loans), SEOG (Supplemental Educational Opportunity Grants), BEOG (Basic Education Opportunity Program), and University Long Term Loans for Winter Term. Last day, Friday, Nov. 1.

News in brief

TWO AT PLAYHOUSE

"The Wedding on the Eiffel Tower," by Jean Cocteau, and "The Breasts of Tiresias," by Guillaume Apollinaire, will open at Playhouse Theatre Thursday, Oct. 31, continuing Nov. 1 and 2 and 5-9. Curtain time is 8 p.m. Knox Fowler is director of both plays, both French Surrealist dramas. Tickets may be reserved by calling 865-1884 between 1 p.m. and 6 p.m. daily.

MARINE CORPS BALL

All active duty, reserve, retired, and former U.S. Marines are invited to the dinner-dance Nov. 8, sponsored by the Marines of the Penn State ROTC staff. The occasion is the celebration of the 199th birthday of the Corps. The dinner-dance will be held at the Elks Country Club, and questions about attending may be referred to the Marine Officer Instructor, 865-4052 during the day, and at 237-5666 in the evening.

CANCER WING OPENS

Ribbon cutting ceremonies to open the \$3,200,000 Basic Sciences-Cancer Research Wing at The Milton S. Hershey Medical Center are slated for 4 p.m. Wednesday, Oct. 30. The National Cancer Institute awarded Hershey \$2 million to help build the eight-story addition. The University committed an additional \$1 million from non-State funds previously earmarked for expansion at the Medical Center.

CHINA VISITOR

Dr. James O. Whittaker, professor of psychology at Capitol Campus returned last month from a three-week study trip to The People's Republic of China. He made the tour with a group of 17 university professors from New Zealand where he served as a visiting professor last year. The group saw Canton, Shanghai, Hangzhou, Nanjing and Peking.

BAYARD SPEAKS

Samuel P. Bayard, professor emeritus of English and comparative literature, will give a public lecture as part of the Faculty Women's Club Lecture Series at 9:30 a.m. today (Thursday) in the HUB Auditorium. He will discuss folk music and his experiences in collecting songs and tunes, particularly those from Pennsylvania.

ENGLISH TRIP

A two-week trip to England is tentatively planned as part of an education course to be offered from June 16 through July 1, 1975, during the summer term at Capitol Campus. Arrangements for the trip, which will permit participants to explore British teaching methods and open classroom practices, are being made in conjunction with Millersville State College. Dr. David Ongiri, assistant professor of education at Capitol Campus, is handling planning at the Penn State end.

FRENCH SHOW

A new radio program, "Echoes of

France," is being aired every Saturday from 11 a.m. to noon over WDFM. Sponsored by the French Club, the show will feature French popular music and poetry. Both live and taped shows will be presented.

CONSTRUCTION PROGRESS

The General State Authority has approved additional funds totaling \$1,541,565 for construction of the Environmental Sciences Building. An initial allocation of \$5,445,000 was well below the bids opened August 28, the second time bids had been received.

Last week, GSA awarded the contract for general construction of the building to J. C. Orr and Son, Inc., of Altoona.

Intended to provide classrooms, labs, and office space in research and other activities related to the energy crisis and especially in the field of coal use and technology, the building will serve the College of Earth and Mineral Sciences. The six-story building will be located along N. Atherton St., just south of the Pollock Road entrance to the campus.

Sen. Henry J. Clannan, of Philadelphia, has introduced Senate Bill 1085 in the Legislature asking for \$3,140,000 for construction of a library-learning center at the Delaware County Campus.

Enrollment at the Campus, now at 1,707, far exceeds initial projections. Enrollment in daytime classes is 1,175 this term, where the present three-story classroom building was designed for only 850 students.

CHINA ACADEMICS

College of the Liberal Arts dean, Dr. Stanley Paulson, will discuss "Current Attitudes about the Academic Process in the Republic of China" Wednesday, Oct. 30, at 8 p.m. in the Helen Eakin Eisenhower Chapel lounge. The travel study group of the American Association of University Women invites the public to hear this slide-illustrated lecture.

SWIM MEET

The annual Penn State Swimming and Diving Relay Championships, which attract some of the best collegiate swimmers in the East, will be held at the Natatorium Saturday, Dec. 7. So far, 18 teams have indicated they will send entrants for diving and swimming team events. No individual titles are decided.

NO WEAPONS

University Safety reminds that firearms and other dangerous weapons are prohibited on campus. They (including bows and arrows) are not permitted in residence halls or in parked vehicles. Faculty and staff members may not bring such weapons to campus. Copies of the University's Weapons Regulations are available at the dispatcher's desk at Police Services, in Grange Bldg. Questions pertaining to the regulations will be answered by Police Services.



Hazleton has dedication ceremony

All Hazleton Campus recently, four shovels were used to break ground for the new physical education building, the scene was a "re-enactment" of the groundbreaking ceremony held 40 years ago at the Hughes Campus, complete with appropriate headgear. Participants in the 1974 ceremony were President Oswald, Pennsylvania Senator L. Murray, Hazleton Campus director O. William J. Ovid, and Dr. R. G. Quinn, dean of academic instruction for Commonwealth Campus. (Photo by Hazleton Standard-Speaker)

Gospel festival in Schwab Sunday

The Black Christian Fellowship "Religious Emphasis Week" is currently in progress at University Park, with worship services, Bible study groups, rap sessions, prayer services, and workshops, culminating in a Gospel Festival Sunday, Oct. 27, from 3 to 6 p.m. in Schwab Auditorium.

Tickets for the Gospel Service are \$2.50 in advance at the Walnut Bldg., the Helen Eakin Eisenhower Chapel and the HUB. If available, they may be purchased at the door for \$3.00.

Featured in the Gospel Festival will be The Soul Stirrers, from Chicago; the Gospel Kings, from Port Matilda; Little Scott White and Singers from Harrisburg; and the United Soul Ensemble, singing group from University Park.

A worship service will be held in Walnut Bldg. today at 7:30 p.m., with Elder Ravanell, pastor of the Church of God in Christ, of Mt. Union, Pa., and a communion service. Saturday, at 7 p.m. in the Walnut Bldg., a reception will be held for the Gospel Festival Singers.

Parking violation

The new faculty and staff driving and parking rules, regulations and information which became effective September 23, 1974, provide for a less complicated procedure for payment or appeal of parking violations. The new procedures, Section H of the rules and regulations, specify that payment or written appeal of violations shall be forwarded to the Bureau's Office within 72 hours of placement of the violation ticket on the vehicle. The old procedure said that when a violation ticket was placed on a vehicle, no action was to be taken until that ticket was followed up with a traffic violation bill. The new procedure streamlines the payment or appeal process because no longer will a bill be sent. The progressive penalty system which was integral with the old billing procedure is also eliminated. A listing of faculty and staff violations and penalties appears under Section I of the new rules and regulations.

Call-In procedure

As an improvement in the faculty and staff parking system, the call-in procedure has been eliminated. Under this previously used system, if your parking lot was filled and you parked in another area, it was necessary for you to report it immediately. Many faculty and staff members found this cumbersome because of the difficulty in arranging to make an immediate phone call. In addition, unfortunately, some individuals misused the call-in procedure as a device to improve their personal parking situation.

In place of the call-in procedure, the new parking rules and regulations provide for the use of designated open faculty-staff parking areas as alternate parking areas when the assigned area is filled. In addition, the open faculty-staff parking area system provides a parking flexibility for faculty and staff members to be able to park at different parts of the campus without using a floating permit.

Alternate parking areas are designated with a red triangle on the parking map and on the parking signs.

Archaeology talks by Dr. Marasovic

Dr. Tomislav Marasovic, co-director of the joint American-Yugoslav excavations in Diodetian's Palace in Split, Yugoslavia, will deliver two public lectures on archaeology Thursday, Oct. 31, and Monday, Nov. 4, at the University.

"Precise Surveys. An Indispensable Method in Archaeological and Architectural Research" is the topic of the first talk, which will be presented at 3:30 p.m. in Room 107 Social Sciences Bldg. Slides will illustrate Dr. Marasovic's thesis that precise measurements have been invaluable in research on the historic monuments of Split.

The Nov. 4 talk will deal with "The Palace of the Emperor Diodetian in Split" at 8 p.m. in Room 101 Kern Graduate Bldg. The application of modern archaeological research and restoration techniques will be discussed.

Dr. Marasovic has surveyed monuments and planned their restoration throughout almost all of Central Dalmatia in Yugoslavia.

At Penn State, he is a visiting fellow of the Institute for the Arts and Humanistic Studies during the Fall Term.

Halloween party

State College Mayor Jo Hays will serve as costume judge at the Children's Halloween Party, from 7 to 9 p.m. on Tuesday, Oct. 29, in the Commons of the Kern Graduate Bldg.

The party is sponsored by the Graduate Student Association and is open to children of graduate students, faculty and staff. Highlighting the event will be magicians, fortune tellers, cartoons, and a puppet show. There will also be a Haunted House and games for the children.

Refreshments, donated by local merchants, will be served, and the Nittany Lion and "Pappy" will be on hand to meet the guests.

Sponsors are seeking for contributions of apples and pumpkins. Anyone wishing to contribute should contact Barb White, 112 Kern Graduate Bldg., 865-1878.

POLICY —

(Continued from page one)

Milton S. Hershey Medical Center, as appropriate, which restrict any supervisory family member from making decisions that will directly affect a relative and also pertains to access to confidential information as necessary to avoid awkward work situations. Disqualification arrangements shall be made when such occasions arise.

Mr. Zilly said the conditions of the policy apply, also, if two faculty and staff members become related through marriage after they are employed.

O'Hara room in Pattee is completed



John O'Hara's study, with everything from the ancient typewriter on which he wrote "Appointment in Samarra" to a horseshoe he kept over the door, has been set up in Pattee's Rare Books Room, the gift of his widow, Mrs. Katharine G. O'Hara. The walnut-paneled room has been reconstructed just as it was in the author's home in Princeton, N.J.

PENN STATE intercom

Volume 4, Number 9

October 31, 1974

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

Six-week summer term approved for 1975

A special six-week term as well as the standard ten-week Summer Term will be offered by the University next summer for resident education students.

President Oswald announced the plan this week following a recommendation of the President's Calendar Commission and endorsement by the Faculty Senate, University Council, and the Council of Academic Deans. Guidelines were formulated by the Administrative Committee on Resident Education Procedures.

The plan for the six-week term in 1975 is experimental, he emphasized, and the decision does not in any way prejudice long-range planning now in progress by the Calendar Commission, which Dr. Asa J. Berlin, professor of speech pathology, serves as chairman.

The ten-week session will open on Wednesday, June 11, while the special six-week term will begin on July 10. Both will end on Aug. 20. Registration for both terms will be held on June 10 with a mini-registration scheduled for July 9 for the six-week term students who do not register on June 10. Pre-registration dates for the ten-week Summer Term also will

apply for the six-week term for students who are in attendance at Spring Term classes.

The special six-week session, explains Dr. Robert E. Dunham, vice-president for undergraduate studies, will offer only 400-level and graduate-level courses, except where a lower-division course may be necessary to provide a reasonable program of study for an identifiable group of six-week session students. It is expected to meet the needs of certain upper-division and graduate students, among them teachers in elementary and secondary schools, extended degree candidates with limited time for attending school in summer, adult education groups with no specific degree plans, students taking degrees in other institutions, and other well-defined groups of Penn State students for whom it can be demonstrated that their academic calendar needs are not adequately met through the regular ten-week Summer Term.

The ten-week term, on the other hand, will serve continuing University students wishing to take the maximum number of credits; entering freshmen; regular graduate students; and accelerating under-

graduates.

Three-credit courses in the six-week session will typically meet five times per week for 75-minute periods. The maximum credit load within the six-week session will be seven credits for undergraduates and six for graduate students. It is not recommended that students schedule courses in both the ten-week and the six-week terms. Exceptions may be granted, however, by deans of the Colleges or the student's Graduate School advisors if a student enrolled in a ten-week term has a special educational need that can be satisfied only with a course offered in the six-week session and if the student's academic workload during the six-week period will not exceed normal standards for the student.

Because of the nature of the courses to be offered in the six-week program, it is expected that the program will be offered only at the University Park Campus, but it is noted that Commonwealth Campus directors with special program needs may offer courses of shorter than ten-weeks duration in accordance with University policies that have been in effect since Feb. 1, 1973.

News in brief

HUB DINNER

A Halloween Candlelight Dinner will be held in the HUB Terrace Room cafeteria today (Oct. 31) featuring an entree val cordon bleu, roast turkey, prime rib of beef, stuffed pork chop, crab meat on half shell, and Salisbury steak. Desserts include pumpkin pie and strawberry short cake. Suitable decorations and a hospitality table will add to the occasion.

STUDY PREPARED

A study on American expropriation policy in South Asia, to be submitted to the Joint Presidential-Congressional commission established by the Foreign Relations Authorization Act of 1972, has been prepared by Dr. Stanley A. Kochanek, professor of political science. The commission's purpose is to provide a more effective system for the formulation and implementation of U.S. foreign policy. Dr. Kochanek's study, one of a number being prepared by full-time staff of the Commission and by outside contractors, will be included in a report on the conduct of foreign policy toward the Indian subcontinent from 1965 to the present.

CULTURAL CENTER EXHIBIT

"The Black Presence in the Era of the American Revolution, 1770-1800," is the title of a Bicentennial exhibition opening at the Cultural Center, Walnut Bldg., Saturday, Nov. 2, and continuing for a month. Being circulated nationally by the Smithsonian Institution Traveling Exhibition Service, the exhibit seeks to "restore to the national memory an historic fact . . . the living presence of black men and women during the thirty years" between the martyrdom of Crispus Attucks in the Boston Massacre to the conspiracy of Gabriel Prosser in Virginia at the turn of the century.

PATTEE EXHIBIT

An exhibit of books, prints, posters, drawings, sculpture, candles and jewelry, all of which are properties of Dr. Robert Lima (prof. of Spanish and Comparative Literature), Michael Miller (student), and Ellen Lanyon (visiting fellow in art) is currently being shown in the Main Lobby, West Side, Pattee Library, to continue through November 6, 1974. A bibliography on the occult "for anyone interested in pursuing these bewitching subjects through the mysterious medium of the Penn State Libraries," is available at the main entrance of Pattee and in the main Undergraduate Library.

VETERANS' POST

A post of the American Legion, organized by the student veterans, will be presented a charter November 4 in ceremonies to be attended by officials of the American Legion's State Department. To be designated Post 888, it will be named for a former student, Julius Amici, and the late William H. Cox and Morgan C. Wright, both University administrators who worked closely with veterans and who died in 1973. Cox was admissions director for veterans and freshman counselor; Wright was fee assessor.

OSBORN CHAIRMAN

Dr. E. F. Osborn, who retired in 1970 as vice president for research emeritus, has been named chairman of the National Research Council's Board of Mineral Resources for a three-year term. He is currently distinguished professor at the Geophysical Laboratory of the Carnegie Institution.

Giusti chairs Beaver council

Dr. J. P. Giusti, director of the Beaver Campus, has been named chairman of the Beaver County Council of Higher Learning.

The Council includes the county's three institutions of higher learning: The Community College of Beaver County, Geneva College, and the Beaver Campus of Penn State.

The formal organization includes an Executive Council and a Board of Delegates. The Executive Council is comprised of Dr. Giusti; Dr. Richard T. Adams, President of the Community College; Dr. Edwin Curke, President of Geneva College; and John P. Milanovich, executive director of Beaver Valley Intermediate Unit, an ex-officio member. The Board of Delegates is comprised of the member institutions' administrative officers.

The Council provides a potential for effective and efficient programming in the Beaver Valley area by acknowledging that each institution is unique and therefore has a unique contribution to make while at the same time recognizing the community that exists among the three institutions.

Playhouse opens

The audience for the two plays opening at Playhouse today (Oct. 31) and continuing Friday and Saturday, Nov. 1 and 2, and also Nov. 5-9, should "be prepared to expect the unexpected, the bizarre and that which may be foreign to us" says director Knox Fowler, new member of the theatre arts faculty.

"The Breasts of Tiresias" by Guillaume Apollinaire and "The Wedding on the Eiffel Tower" by Jean Cocteau are both French Surrealist plays, being performed as part of the 50th anniversary celebration on campus of Surrealism's birth.

Tickets may be reserved for the production by calling 865-1884 or in person at the University Theatre box office in Arts Bldg.

Animal behaviorists to meet

"Social Systems and Evolution" is the theme of the regional meeting of the Animal Behavior Society to be held at the University Park Campus Nov. 22-24. The meeting will attract internationally known scholars in the field; locally, many faculty members in related fields but not members of the Society will also attend.

The work of animal behaviorists has taken on added significance in the last few years and especially since the 1973 Nobel Prize was awarded to Lorenz, Tinbergen and von Frisch for work in the field.

The Society is accepting papers on the meeting theme at this time, with a Nov. 15 deadline for receipt of abstracts. Those wishing to participate, either in presenting papers or in organizing round table discussions, should contact Dr. H. B. Graves, 865-3411, Room 204 Animal Industries.

A broad spectrum of interests in the life sciences, psychology, sociology and human development is represented among the speakers, who include Steven T. Emlen, Cornell University; Robert L. Trivers, Harvard; John Fentress, Delhousie University; Richard D. Alexander, Michigan; and John F. Eisenberg, Smithsonian Institution, who will give the banquet address on the subject, "The Question of Limits: the Role of Phylogeny."

The major sessions will be held Saturday, Nov. 23, in the J. O. Keller Conference Center, with roundtable discussions Sunday, Nov. 24.



Two reading rooms, with furnishings supplied by the United Steel Workers of America, opened officially Oct. 16 in Petrie Library. George Buskie (right), U.S.W.A. education director, presented this photograph of Philip Murray, first U.S.W.A. president, to Owen at Libraries Stuart Forth at the dedication. Tables, comfortable chairs, and study carrels are provided for scholars using the extensive archives which the U.S.W.A. donated to the Library.

Four 25-Year Service Awards

Allen R. Gray, left above, professor of health and physical education, shown receiving the University's 25-Year Service Award from Dr. Robert Scametti, dean of the College of Health, Physical Education and Recreation, joined the faculty as instructor in 1949, after serving as a graduate assistant for a year. A graduate of West Chester State College, he earned an M.Ed. degree from Penn State. He served in the U.S. Army in 1942-46, then taught at Shippensburg High School for two years. He has been involved in such administrative work in the College in addition to teaching.

Dean Stanley Paulson), is professor of psychology. Gulhrich (at his right) is professor of nutrition. Both have long and distinguished records in research in the Philippines, and from various sources have received numerous awards and honors. Dr. Gulhrich's book, "Rural Modernization in the Rural Philippines," published by the University of Western Ontario in 1948, has earned him a D. Sc. from the University of Minnesota in 1949, the year he joined the faculty of the University of Minnesota. Dr. Gulhrich is married to Dr. Merrill E. Noble, professor and head of the department of psychology.

Similar screening programs have been carried out in the area for several years, with considerable success and significant public acceptance of the benefits from the program.

REMINDEES AND DEADLINE DATES

Nov. 11 (changed) for NSF/NATO Postdoctoral Fellowships II Science (Oct. 3 Funding Opportunity No. 74-24). . . . Nov. 15 and 29 and Oct. 19 for NSF technology assessments in selected areas (Oct. 10 INTERCOM 215-14). . . . Nov. 15 for NSF Research Training Program (Sept. 26 INTERCOM 2147-2). . . . Oct. 1 for OE Cooperative Education Programs (Oct. 10 INTERCOM 2150-1). . . . Dec. 2 for NSF Engineering Research Initiation Program (Sept. 26 INTERCOM 2148-1). . . . Dec. 2 for OE Student Research Program (Oct. 10 INTERCOM 2152-2). . . . Oct. 13 for NSF Graduate Instructional Program (Oct. 10 INTERCOM 2151-1). . . . Jan. 6 for OE Field Initiated Studies (Oct. 24 INTERCOM 2152-2). . . . Jan. 8 (changed) for NSF Energy-Related Graduate Trainings Oct. 17 INTERCOM 2151-4). . . . Jan. 10 for OE Water Research projects (Oct. 10 INTERCOM 2151-1). . . . Jan. 31 for NSF/RANN Research (Oct. 10 INTERCOM 2152-2). . . . Jan. 31 for NSF/RANN Research (Oct. 10 INTERCOM 2152-2).

The Advisory Search Committee is to identify those candidates who can provide the ablest possible academic leadership and competent administration of the Altoona Campus. Candidates should possess

University Park Calendar

October 31-November 10, 1974

Items to be included in this calendar should be sent to the editor, Room 312 Old Main, by Thursday of the week preceding publication.

SPORTS EVENTS

Thursday, October 31 — Meeting, with talks and round table discussions, of University ombudsmen, 9:30 and 1 p.m., Nittany Lion Inn assembly room.

Thursday, October 31 — FSHA 400 dinner, "Classical" French, 5:30 p.m., Maple Room. Reservations required.

Friday, November 1 — Faculty Women's Club Fall Lecture Series, 9:30 a.m., HUB auditorium. Dr. L. L. Wilson, on "An Agriculturalist's Impressions of the U.S.S.R."

Friday-Saturday, October 31-November 2 — University Theatre, Surrealistic Celebration, "The Breasts of Tiresias" and "The Wedding on the Eiffel Tower," 8 p.m., Playhouse Theatre.

Friday, November 1 — Sports: Soccer, vs. Shippensburg, 7 p.m., Jeffrey Field.

Friday, November 1 — Folk and Square Dance Roundup, 7:30 p.m., North Gym, White.

Friday, November 1 — Free University Jammy, 10 p.m., HUB ballroom. Featuring Steve, sponsored by Hetzel Union Board and Keystone Society.

Friday, November 1 — Commonsplace Coffeehouse, 8 p.m., Room 102 Kern. Featuring Stan Shepherd and Mason Dixon Blue Grass Band.

Saturday-Sunday, November 2-3 — Penn State Players, "Indulgences in Louisville Harem," 8 p.m., Room 112 Kern.

Saturday, November 2 — Sports: Football,

vs. Maryland, 1:50 p.m., Beaver Stadium. (Television broadcast at 1:30 p.m.)

Sunday, November 3 — USTFF Championships, Beaver Stadium.

Sunday, November 3 — Chapel Service, 11 a.m. Music Bldg. recital hall, President John W. Oswald.

Sunday, November 3 — Public Reception, "Living Artists and the Figure," 3-5 p.m., Museum of Art.

Sunday, November 3 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

Monday, November 4 — Roger Soop, organ recital, 8:30 p.m., Music Bldg. recital hall. Music by Franck, Regier, Couperin, Veirne, and Poulenc.

Tuesday, November 5 — Artist Series Film Festival, Inghar, Bergman, "Smiles of a Summer Night," 8:30 p.m., University Auditorium.

Tuesday-Saturday, November 5-9 — University Theatre, Surrealistic Celebration, "The Breasts of Tiresias" and "The Wedding on the Eiffel Tower," 8 p.m., Playhouse Theatre.

Tuesday-Saturday, November 5-6 — Alpha Phi Omega bloodmobile, 9 a.m.-5 p.m., HUB ballroom.

Wednesday, November 6 — University Theatre student preview, "Lemon Sky," 8 p.m., Pavilion Theatre.

Wednesday, November 6 — Penn State Brass Choral, 8:30 p.m., Music Bldg. recital hall. Music by McKay, de Lorenz, Haydn, Mozart, Burt Fenner, Blikk and Leonard Bernstein.

Wednesday-Thursday, November 6-7 — FSHA 400 dinner, "South America," "Austro-Hungarian Empire," 5:30 p.m., Maple Room. Reservations required.

Wednesday, November 6 — Two Cultures Dialogue, noon-2 p.m., Room 189 Materials Research Lab. Robert G. Price, philosophy, on "Wilderness: Values, Politics, and Decisions."

Thursday, November 7 — Faculty Women's Club Fall Lecture Luncheon, 12:30-1 p.m., Room 101 Kern. Frank Patrick, on "Recruiting Policies and Academic Counseling of Football Players at Penn State."

Thursday, November 7 — Surrealistic Concert of music and dance, 8:30 p.m., Schwab.

Thursday-Saturday, November 7-9 — University Theatre, "Lemon Sky," 8 p.m., Pavilion Theatre.

Friday, November 8 — Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

Saturday, November 9 — Artists Series, The Royal Shakespeare Company, "The Hollow Crown," 8:30 p.m., University Auditorium.

Sunday, November 10 — Artists Series, The Royal Shakespeare Company, "Pleasure and Repentance," 8:30 p.m., University Auditorium.

Sunday, November 10 — Chapel Service, 11 a.m., Eisenhower Chapel. The Reverend Charles L. Coleman, Program Director, Religious Affairs.

Sunday, November 10 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

Artists Series

Tickets for the Royal Shakespeare Company's performance Sunday, Nov. 10, of "Pleasure and Repentance" will go on sale Monday, Nov. 4, at University Auditorium box office and in the HUB, 9 a.m. to 4 p.m. weekdays and 10 a.m. to noon Saturday.

The Company will give a performance



Richard Todd, on Artists Series.

Saturday, Nov. 9, of "The Hollow Crown," but tickets for that event are taken by season ticket holders.

"Pleasure and Repentance," termed a lighthearted look at love, is a "treatment of all the aspects of love, utilizing scenes with many of the best known lovers in literature." For example, the program begins and ends with "A Description of Love" by Sir Walter Raleigh, and in between are the words of Tennyson, Ogden Nash, Keats, Dickens, Shaw, Shakespeare, and Lennon and McCartney and The Rolling Stones. It is a program of words and music featuring actors Richard Todd, Ann Firbank, Hugh Sullivan, and Clifford Rose with the songs, guitar and lute of Martin Best.

"The Hollow Crown," on the other hand, is "an entertainment by and about the Kings and Queens of England," composed of the letters, speeches, poems, songs and music of their times.

Both performances are at 8:30 p.m. in University Auditorium. Tickets for children and the students cost the same as those of Penn State students for "special events."

FILMS

Thursday, October 31-November 3 — Centre Cinema, "Midnight Cowboy," 7:30 and 10 p.m., Thursday, Simmons lounge; Friday-Sunday, Room 105 Forum.

Friday-Sunday, November 1-3 — South Halls, "Dirty Harry," 7:30 and 10 p.m., Redifer.

Friday-Sunday, November 1-3 — East Halls, "One Day," 7:30 and 10 p.m., Findlay Rec Room.

Tuesday, November 5 — Hetzel Union Board, 11 a.m., HUB assembly room, "The American Alcoholic."

Wednesday, November 6 — Commonsplace Theatre, "On the Waterfront," 8 and 10 p.m., Room 112 Kern.

Thursday-Sunday, November 7-10 — Centre Cinema, "Slaughterhouse Five," 7:30 and 10 p.m., Thursday, Simmons Lounge, Friday-Sunday, Room 105 Forum.

Friday-Sunday, November 8-10 — South Halls, "Butch Cassidy," 7:30 and 10 p.m., Redifer "D."

Friday-Sunday, November 8-10 — East Halls, "Effect of Gamma Rays," 7:30 and 10 p.m., Findlay Rec Room.

Friday-Sunday, November 8-10 — North Halls, "Bonnie and Clyde," 7:30 and 10 p.m., Room 102 Forum.

Friday-Sunday, November 8-10 — West Halls, "Camelot," 7:30 and 10 p.m., Waring lounge.

SEMINARS

Thursday, October 31 — Agronomy, 3:45 p.m., Room 301 Ag Administration, Dr. John Wirth, on "Sustainability of Centre County Soils for Waste Disposal."

Thursday, October 31 — Mathematics, 4 p.m., Room 102 McAllister, M. Hendrickson on "Sums of kth Power Series in the Ring of Polynomials with Coefficients."

Thursday, October 31 — Physics, 3:55 p.m., Room 117 Osmond, William L. McLean, Rutgers University, on "Time Dependent Effects in Superconductivity."

Thursday, October 31 — Microbiology, 4 p.m., Room 52 Frear, Gary Pearson on "The Role of Antibody Dependent Lymphocyte Cytotoxicity in Tumor Immunity."

Thursday, October 31 — Chemistry, 12:45 p.m., Room 333 Whitmore, Robert C. West, U. of Wisconsin, on "Aromatic Properties of Cyclopolyisilanes."

Thursday, October 31 — Nuclear Engineering, 1:30 p.m., Room 111 Breazeale Nuclear Reactor, Dr. Gene L. Woodruff, Director, Nuclear Engineering Laboratory of Washington, Seattle, on "Fast Neutron Spectroscopy with Proton-Recoil Proportional Counters."

Thursday, October 31 — Engineering Science and Mechanics, 2 p.m., Room 215 Hammond, John Simmons, University of Toronto, on "Properties of Interfaces in Metal-Insulator-Semiconductor Systems."

Thursday, October 31 — Meteorology, 3:30 p.m., Room 541 Deike, Dr. J. O. Jiverson on "An Upper Atmospheric Potpourri."

Thursday, October 31 — Statistics, 4 p.m., Room 75 Willard, Dr. David M. Allen, Cornell University, on "A Linear Models Algorithm with Very Low Storage Requirements."

Thursday, October 31 — Computer Science, 4 p.m., Room 101 Altohouse Lab. Jeffrey D. Ullman, Princeton University, on "Operations on Sparse Relations and Applications to Grammar Problems."

Monday, November 4 — Plant Pathology, 9:45 a.m., Room 213 Buckhout, D. H. Lambert on "Mycotoxins and Saprophyte Allergens from Plants."

Monday, November 4 — Architecture, 8 p.m., Room 105 Hammond, Henry Sanoff, North Carolina State University, on "Community Development and Design."

Monday, November 4 — Genetics, 4 p.m., Room 111 Tyson, Richard R. Hill, Jr., U.S. Regional Pasture Research Laboratory, on "Role of Genetics and Breeding in Solving Mineral-Related Problems in Agriculture."

Monday, November 4 — Inter-science, 4 p.m., Room 333 Whitmore, W. W. Cleveland, U. of Wisconsin, on "Chromosomal ATP, Lysoxos and the Mechanism of West Nile Encephalitis."

Monday-Tuesday, November 4-5 — Biochemistry, 11:10 a.m., Room 101 Altohouse, Dr. Roger M. Herlihy, Johns Hopkins University, on "Genetic Transformation in Bacteria." Tuesday, "An Electrophoretic Reactivation of Irradiated DNA."

Tuesday, November 5 — Psychology, 1:15 p.m., Room 351 Moore, Dr. Paul Dennis, Elizabethtown College, on "Selective Attention in Perceptual Vision."

Tuesday, November 5 — Computer Science, 4 p.m., Room 325 Whitmore, Dennis A. Van Dusen, on "The CSAR System."

Tuesday, November 5 — Air Pollution Control, 2:20 p.m., Room 140 Fenske, Thomas M. Heelan, Allied Chemical Corporation, Morrisstown, N.J., on "Industrial Odor: Its Measurement and Control."

Tuesday, November 5 — Physiology, 3:55 p.m., Room 8 Life Sciences, Dr. D. D. Krieger, Biophysics and Laboratory for Human Performance Research, on "Electrophysiology of the Mammalian Visual System."

Tuesday, November 5 — Solid State Physics, 1 p.m., Room 339 Davey, Brian Sawatzky, M.I.T., on "Response of a Ferromagnetic Electron Gas and of the Surface of Ferromagnetic Metals."

Tuesday, November 5 — Chemical Engineering, 3:45 p.m., Room 140 Fenske, Turner Alloy, DuPont Chemical Company, on "The Construction and Properties of Multilayer Polymer Films."

Tuesday, November 5 — Geosciences, 4 p.m., Room 26 Mineral Sciences, Dr. E. K. Graham, geophysics, "On the Composition of the Mantle."

Wednesday, November 6 — Remote Sensing, 4 p.m., Room 204 Electrical Engineering, Benjamin Merembeck, Forest Resources, on "Reformatting of Multispectral Scanner Data for Display on the Colorized Cathode Ray Tube (Gage Image 100 System)."

Wednesday, November 6 — Analytical Chemistry, 11:30 a.m., Room 333 Whitmore, Hayden Clark on "Pattern Recognition of Petroleum Samples."

Thursday, November 7 — Engineering Acoustics, 4 p.m., Room 71 Willard, Leslie D. Frank, on "The Contributions of Bark and Ground Absorptions to the Attenuation of Radiated Vehicle Noise Within a Forest."

Thursday, November 7 — Meteorology, 3:55 p.m., Room 26 Mineral Sciences, Dr. J. H. E. Clark, "The Propagation of Planetary Wave Energy in the Winter Stratosphere."

Thursday, November 7 — Agronomy, 3:45 p.m., Room 301 Ag Administration, Chicago American Society of Agronomy Paper Presentation Reviews.

Thursday, November 7 — Physics, 3:55 p.m., Room 117 Osmond, James L. Friar, Brown University, on "Recent Developments in Nuclear Physics."

Thursday, November 7 — Microbiology, 4 p.m., 52 Frear, Austin Newton on "Development in 'Caulobacter Crescens'."

Thursday, November 7 — Chemistry, 4 p.m., Room 101 Altohouse, Dr. Philip M. Lewis, General Electric Research and Development Center, on "Approximate Algorithms for the Traveling Salesperson Problem."

LECTURES

Thursday, October 31 — Dr. Tomislav Marasovic, co-director of the joint American-Yugoslav excavations in Diocletian's Palace, on "Problems in Archaeology: A dispensable Method in Archaeological and Architectural Research," 3:30 p.m., Room 107 Social Science Bldg. The lecture is sponsored by the Institute for the Arts and Humanities.

Thursday, October 31 — 1974 Nelson W. Taylor Lecture, 8 p.m., Nittany Lion Inn Assembly Room, Dr. Herman Mark, Polytechnic Institute of New York, on "Polymers in the Next Decade." Wine and cheese party following is open to public.

Monday, November 4 — Dr. Tomislav Marasovic, co-director of the joint American-Yugoslav excavations in Diocletian's Palace, on "The Palace of the Emperor Diocletian in Spili, Yugoslavia," 8 p.m., Room 101 Kern. The public is invited to informal reception preceding the lecture in Room 101 Kern at 7:30 p.m.

Tuesday, November 5 — American Chemical Society, Central PA. Section, 8 p.m., Room 101 Altohouse, Dr. Emerson Verable, Pittsburgh, on "The American Chemical Society — Where Is It Going?"

MEETINGS

Thursday, October 31 — Penn State Mining Society, 7:30 p.m., Room 121 Mineral Industries, R. Lindsay Muldrew, supervisory mining engineer, U.S. Mine Enforcement and Safety Administration, on "MESA and Respirable Dust Control."

Thursday, October 31 — Central PA. Section American Institute of Aeronautics and Astronautics, 4 p.m., Room 232 Hammond, B. P. Miller, director, Systems Engineering ECOR Corporation, Princeton, New Jersey, on "The Scientific and Economic Potential of Satellite Based Oceanographic Research."

Thursday, October 31 — AAUP collective bargaining discussion, 11:45 a.m.-1:45 p.m., dining room C, HUB. All faculty.

Monday, November 4 — OTIS, 6:30 p.m., Room 203 HUB.

Monday, November 4 — Education Student Council, 7 p.m., Room 111 Chambers.

Tuesday, November 5 — College of Liberal Arts Faculty, 3:30 p.m., Room 121 Sparks.

Tuesday, November 5 — ARHS, 7:30 p.m., Room 309 Boucke.

Wednesday, November 6 — AWS, 7 p.m., Room 203 HUB.

EXHIBITS

Cultural Center, Walnut Bldg. — "The Black Presence in the Era of the American Revolution, 1770-1800," a Smithsonian Traveling Exhibit, through Dec. 1. Museum of Art — Twentieth Century Master Pottery, Gallery B. Living Artists and the Figure, Galleries A and C, opening November 2.

Zotter Gallery — Graduate Show. Surrealist paintings and other art objects, opening November 7.

Kern Gallery — Ken Kuhn, wall reliefs, through November 8. D. Blumenthal, paintings, through November 9. Winfield House, jewelry, pottery and stained glass, through October 31. Shirley Sturtz, watercolors, drawings, opening November 10.

Public information director being sought

The University is accepting applications from current staff members for the position of Director, Department of Public Information. The Director reports to the Vice President for Public Affairs, with responsibility for informing the public through mass media concerning the activities of the University in all its aspects, and for informing, through internal publications, the faculty, staff, and students. The applicant should have at least a bachelor's degree, and preferably a master's degree, with extensive journalistic and administrative experience, with proven ability in public relations, newspapers, radio, or advertising. Applications, with complete vita, or inquiries should be sent to the Employment Division, Room 117 Willard Building before Nov. 15.

Surrealism celebration next week

Among the events open to the public during the three-day conference on "Surrealism: A Celebration" next week is a music and dance program in Schwab Auditorium Thursday, Nov. 7, beginning at 8:30 p.m.

Titled "Homage to Erik Satie," the program will include music for piano, violin and voice performed by Evelyn Triole, Raymond Patrick Kline, Patricia Lloyd and Cynthia Schein, orchestral music by the University Symphony Orchestra conducted by Douglas Miller, and "Parade," a ballet choreographed by Patricia Heigel, with the Symphony providing musical support.

Major Surrealist paintings, objects, sculpture and other items on loan from museums, galleries, and private collections are to be exhibited in the Zoller Gallery in the Visual Arts Building. Displays of rare books, manuscripts, photos, letters, journals, etc., related to the Surrealist movement will be displayed in the Rare Books Room of Pattee Library, beginning Nov. 1. This exhibit will continue through November.

The Conference, which has been arranged by Dr. Robert Lima, head of the comparative literature program, will include as speakers such distinguished visitors as J. H. Matthews, professor of French at Syracuse University who has written nine books and many articles on Surrealism; Gloria Orenstein, Douglass College, Rutgers University, author of "The Theatre of the Marvelous"; and Anna Balakian, New York University, who has in press a definitive study of the life and works of Andre Breton.

education, who will talk on "Recruiting Policies and Academic Counseling of Football Players at Penn State," at 12 noon in Room 101 Kern Bldg. Because of the potential interest in the topic to faculty members, the Club extends a special invitation to those interested.

Reservations, which must be made today (Oct. 31), will be accepted by phone; call Mrs. Chauncey Morehouse, 238-0398. The luncheon is \$2.50, and checks should be made out to the Faculty Women's Club.

Faculty women to hear lectures

The Faculty Women's Club Fall Lecture Series continues today (Thursday, Oct. 31) with a talk by Dr. Lowell L. Wilson, professor of animal science, at 9:30 a.m. in the HUB assembly room.

Dr. Wilson will give a slide-illustrated talk on "An Agriculturalist's Impressions of the U.S.S.R."

Reservations are being accepted currently for the luncheon-lecture next week (Thursday, Nov. 7) by Frank Patrick, associate professor of health and physical

Telephone numbers

Pity the student (we'll call John Scholarios) with the telephone number 863-0225. Day after day he answered calls for the Career Development and Placement Office, which is a very busy office. It has a telephone number of 863-0225. But many campus callers don't bother to look up the number or, if it can be surmised, can't remember from the moment of looking it up until they dial. Result, John, at an 865 number gets many calls that should be dialed 863. He's not alone, because the number of 863 phones is increasing rapidly, say Telephone Service, and soon there will be many duplications of the last four digits, and soon many people will be making the mistake that John Scholarios's callers did, unless they look up the number.

Honors

Dr. Kenneth D. Frandsen, professor of speech communication, was elected president of the Speech Communication Association of Pennsylvania at the annual convention in mid-October at Pittsburgh. The Association includes members of the speech profession in colleges and universities, secondary and elementary schools, community and junior colleges, and in business and the Pennsylvania Department of Education.

In writing

Dr. Charles C. Snow, assistant professor of organizational behavior, is co-editor of "Organizational Behavior: Research and Issues," which is published by the Industrial Relations Research Association. He is also contributing author of the volume.

Dr. Joseph Jordan, professor of chemistry, is editor-in-chief of "New Developments in Titrimetry," the second in a series, "Treatise on Titrimetry" published by Marcel Dekker, Inc.



Exhibit opens

John Winslow's "In the Studio III," a large oil painting on loan from nearby Ladner Gallery, Washington, D.C., is one of nearly a hundred works on view through December 22 in the Museum of Art, in an exhibit titled "Living American Artists and the Figure."

All-U day Nov. 2

The tenth annual All-University Day, expected to be the largest ever, will be observed Saturday, Nov. 2, at University Park.

An estimated 3,400 students from the Commonwealth Campuses will attend a series of special events here, including the Penn State-Maryland football game.

Activities are being coordinated by the Office of Student Affairs and the Arch Chapter of the Keystone Society as part of the Society's program to promote "one universeness."

At 10 a.m. defending champion Ogontz Campus will meet the Berks Campus in the Commonwealth Campus Soccer Championship on the football practice field. The Capitol Campus soccer club will meet the Penn State soccer club at 11 a.m.

A buffet luncheon is scheduled, following the football game, in the Terrace Room of the Hetzel Union Bldg. A 7 p.m. concert in Recreation Bldg. will feature "Loggins and Messina," while a jammy, featuring the group, "Skye," is scheduled for 10 p.m. in the ballroom of the HUB.

Dr. John W. Oswald, University president, will speak at the All-University chapel service at 11 a.m. Sunday in the Rectal Hall of the Music Bldg.

The Keystone Society, organized in 1964, has chapters at 12 of the 18 Commonwealth Campuses and its Arch Chapter at University Park. The student organization annually sponsors and organizes many service programs at the University.

Thesis policy committee asks help

A Subcommittee on Thesis Policy has recently been formed by the Committee on Academic Standards of the Graduate School. The general nature of the charge is that the Subcommittee recommend policy for theses submitted to the Graduate School. Specific areas to be considered are the appropriate nature, content, and quality of the thesis; definition of the obligations of the student, advisor, and Graduate School; and operational problems related to format, etc.

The Subcommittee is quite interested in determining the attitudes of faculty and students toward present thesis policies, any problem points that should be considered, and proposals for change that would improve the formal structure of the thesis activity.

Comments relating to any of these areas should be directed to the Subcommittee Chairman, Dr. T. M. York, 233 Hammond Bldg., (865-9021).



The 2000th student to take part in the Foreign Studies Program of the University is Joseph S. Zagorski, a horticulture major who has been listed in his entire college career and who will study at the University of Cologne, Germany during the Spring Term. Dr. Robert E. Ounheim, vice president for undergraduate studies, right, presents Zagorski with a Michal Gude while Dr. Osogobor de Levie, director of the Office of Foreign Studies Programs, looks on. The Programs were initiated in April, 1962, when 23 students enrolled for study at Cologne and the University of Strasbourg, France. Now there are six general studies programs and seven specialized programs in operation in 12 different countries.

Computer workshop

Two computer programming workshops, teaching basic concepts and programming techniques, are planned for the end of November by the Computer Center.

An introductory workshop teaching the PL/I computer language and a workshop teaching the FORTRAN language will be held Thursday and Friday, Nov. 21 and 22, and Monday through Wednesday, Nov. 25 through 27. The PL/I workshop will be held in Room 213 Buckhout and the FORTRAN workshop in Room 112 Buckhout.

The workshops, open to all faculty, staff, and graduate students, will be oriented toward those who have had no previous computer experience. Each morning session will start at 9:00 a.m. and each afternoon session at 1:30 p.m.

Sample programs will be studied and practice programs will be assigned throughout the week. In order to gain the maximum benefit, participants should plan to devote the entire week to the workshop.

Registrations will be accepted by Linda Yarnell, Room 229 Computer Building, immediately before the start of cash or interdepartmental transfer for course materials will be made for each registrant. Computer charges will be borne by the Computer Center, and participants can use the computer for practice purposes free of charge for the Winter Term.

Staff vacancies

University faculty or staff members who are interested in any of the staff exempt or staff non-exempt positions may wish to call the Employment Division, 865-1387 (Network Line 475-1387). Do not contact the area having the vacancy. Applications will be accepted until 5 p.m. NOVEMBER 7, 1974

AUDITING ASSISTANT, CONTROLLER'S OFFICE - University Park

Assist the University Auditor in analyzing University bank accounts by type of transaction in order to determine if there may be discrepancies between University and bank transactions to determine differences requiring corrections and those differences which are proper reconciling items; compare and check balances after reconciliation with Bureau's daily report of bank balances, analyze accounts receivable transactions in general ledger and in custodians' records by type and analyze and record payroll by transactions in the general ledger on a monthly basis. A business school graduate with three to four years of experience.

LANDSCAPE ARCHITECTURAL DRAFTSMAN, OFFICE OF PHYSICAL PLANT - University Park

Under the direction of the Senior Landscape Architect, develop drawings to allow landscape scope projects to be completed within budget or scope limitations. Duties include gathering information and measurements at the job site, viewing shop drawings and consultations with customers. Associate degree in Landscape Architecture or equivalent, plus five to ten years related experience in landscape drafting work.

RESEARCH COUNSELOR (EOP), STUDENT AFFAIRS - University Park

Responsible for the conduct of research activities in the E.O.P. program and to provide value services to individual students to enable them to effectively adjust to the University environment. Bachelor's degree or equivalent, preferably in a program which was research oriented. Two years related experience in counseling of students.

COUNSELOR (EOP), STUDENT AFFAIRS - University Park

Responsible to provide various services to individual students to enable them to effectively adjust to the University environment socially, personally, and academically to the extent at which other services are indicated. A master's degree or equivalent in sociology or counselor education is required. Over two years and up to and including four years experience in a directly related area is necessary.

AREA REPRESENTATIVE - Ogontz

Responsible for the functions of development, organization, operation, and administration of training Education programs and services within assigned geographical district. Bachelor's degree or equivalent with three to four years experience in business, industry or education.

THE UNIVERSITY IS AN EQUAL OPPORTUNITY EMPLOYER

WPSX highlights

Friday, Nov. 1 — One-act play, "The Phantom of the Subway and How He Grew," by John Galsworthy in Theatre and film, 10 p.m.
Saturday, Nov. 2 — Premiere of dramatic series, "A Family at War," produced by England's Grand Television, 9 p.m.
Saturday, Nov. 2 — Film, "The Crowd," 10 p.m.
Sunday, Nov. 3 — Film, "The Who Gals Step," with Lon Chaney, Sr., 8 p.m.
Monday, Nov. 4 — "Inheritance," traditional folk music, 8 p.m.
Monday, Nov. 4 — Philadelphia Orchestra, music by Copland, Williams, Sibelius, Grieg, etc., 8 p.m.
Tuesday, Nov. 5 — Beverly Sills, in Richard Strauss's "Ariadne auf Naxos," 10 p.m.

PENN STATE intercom

Volume 4, Number 10

November 7, 1974

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

News in brief

IPAC PRESIDENT

The new president of the Industrial and Professional Advisory Council (IPAC) of the College of Engineering is Robert G. Warden, founder and president of R. G. Warden and Associates, Jenkintown. IPAC, established 15 years ago, is a means to provide direct communication between the engineering faculty and personnel in industry, governmental agencies and in private practice. Warden succeeds Franklin T. Eilford, of Oak Ridge National Laboratory.

BEAVER SYMPOSIUM

Beaver Campus was host to the First

Annual Symposium of the Beaver County Historical Research and Landmarks Foundation recently, which included, in addition to talks, eight exhibits and presentation of research papers. Along with Beaver Campus, the symposium was sponsored by the Community College of Beaver County and Geneva College, and ten local historical societies were represented among the attendees. Dr. Joseph Makarewicz, assistant professor of history at Beaver Campus, was symposium chairman.

SNOW REMOVAL

Beginning Friday, Nov. 15 and continuing through the winter, parking regulations require that certain areas be free of

(Continued on page four)

Academic program review reports near

The first step in the Undergraduate Academic Program Review involving 16 programs at the University is scheduled for completion on Nov. 16, and already the self-assessment report for the program in speech communication has been filed.

The Undergraduate Academic Program Review is designed to encourage the process of continuous review of academic quality and relevance of undergraduate programs. It starts with the self-assessment phase during which time the faculty looks at its undergraduate program.

Upon completion of this first step, a Program Review Sub-Committee will study the self-assessment and prepare a report based on guidelines established by the Program Review Coordinating Committee.

Programs for which the self-assessment is scheduled for completion on Nov. 16 and the chairman of the Program Review Subcommittee are: Animal Science/Animal Industry, Dr. Herbert Cole, Jr.; Architecture, James R. DeTurck; Art, Dr. George L. Mauner; Architectural Engineering, Howard D. Bartlett; Aerospace Engineering, Dr. Carl Volz; Chemical Engineering, Dr. Herman G. Richey, Jr.; Industrial and Management Systems Engineering, Dr. Alan M. Jacobs; Nuclear Engineering, Dr. J. William Holl; Nursing, Dr. Edward E. Hunt; Journalism, Dr. Gerard A. Hauser; Advertising, Dr. Irwin Feller; English, Dr. Murray A. Martin; Speech Communication, Dr. Robert LaPorte, Jr.; German, Dr. R. W. Carrubba; Russian, Dr. D. H. Stewart.

They face all kinds of problems

Ombudsman's role outlined in meeting

Ombudsmen at the University have been urged to use their imagination and knowledge of the personalities involved in disputes in attempting to resolve problems.

"There are all kinds of problems and there is no standard formula we can provide," G. Edward Phillips, chairman of the Senate Faculty Affairs Committee, said at an all-day meeting of ombudsmen and their alternates last week.

"The role of the ombudsman is conciliatory," he said. "He is in a position to try and use his skill and good judgment in resolving disputes as much as possible to the satisfaction of all parties as early as possible."

"The longer or higher a dispute goes, the more difficult it is to resolve."

Noting that an ombudsman has no power or authority to force parties to meet, Phillips said he also "has no limitations to speak of. While the ombudsman doesn't have any enforcement power, he does have unlimited ability to imaginatively bring about resolutions."

Ombudsmen for each college and campus of the University were appointed under procedures for faculty rights and responsibilities approved in May, 1973, by the University Faculty Senate.

Phillips served as a member of a panel which addressed the ombudsmen and their alternates at the meeting in the Nittany Lion Inn.

Dwight E. Younkis, chairman of the rights and responsibilities subcommittee

of the Senate's Faculty Affairs Committee, chaired the session. Other speakers were Ernest L. Bergman, past Senate chairman; Patricia Farrell, University affirmative action officer; Richard Craig, chairman of the Faculty Rights and Responsibilities Committee, and Nicholas Gavrilis, McKeesport ombudsman.

Gavrilis defined the main job of the ombudsman as attempting to resolve a problem at the first stage "and, more important, attempting to resolve them before they arise."

"Our task," he said, "isn't so much to channel problems as quickly as possible to the different grievance organizations, but is to have them not reach that stage. We're not in a position to solve problems, but rather to create an environment or atmosphere in which people themselves resolve the difficulties."

"Ultimately, what we'd like to see in the University is a situation where we don't need these grievance procedures, and people can approach one another to resolve difficulties. We'd like to create an atmosphere in a unit where individuals, after seeing the operation of the ombudsman, can face the issues and problems themselves."

Craig outlined the procedures followed by the Rights and Responsibilities Committees, noting that the ombudsman is the first line of defense in handling grievances.

"We are required by the standing rules," he said, "to consult with the ombudsman before we have a preliminary review of a grievance. When a case comes to our committee, it is, to some extent, because people are not communicating in good trust. Happiness for the Rights and Responsibilities Committee would be if we had no cases."

After an exchange of ideas and examination of problems at an open discussion session, Younkis said recommendations regarding the role of the ombudsman in the future will be forthcoming.

Homage to Satie

Tickets (free) are required for the "Homage to Erik Satie" to be performed today (Nov. 7) at 8:30 p.m. in Schwab Auditorium by musicians and dancers of the University and community.

Satie composed music in France around the turn of the century and later was adopted as their standard bearer by a group of young French musicians in 1910-20, among them Poulenc, Honegger, Georges Auric, Louis Durey and Gernmale Tailleferre, who, later with Milhaud, were known as "Les Six." The group was united in its reaction to impressionism.

The program today will include works for voice, piano and violin, with performance of "Gymnodies," orchestrated by Debussy, to be played by the University Symphony. Satie's "Parade" will be the music for a dance by members of the Contemporary Dance Co. of the College of Health, Physical Education and Recreation. The dance was choreographed by Patricia Heigel, and Dr. D. Douglas Miller will conduct the orchestra.

Tickets have been distributed this week at the HUB and at the J. O. Keller Bldg. reception desk; if any remain, they will be distributed at the door of Schwab.

SENATE REPORT

Rank and tenure

A Senate Faculty Affairs subcommittee to review academic rank and tenure has been working on a document expressing rank and tenure policies for the University. The following subcommittee progress report will be presented to the Senate for discussion at its Nov. 12 meeting. It is expected that the subcommittee's final report will be presented at the January Senate meeting. Co-Chairmen of the Sub-committee are George E. Andrews and Marvin E. Rees. Chairman of the Faculty Affairs Committee is G. Edward Phillips.

In this brief progress report, we have two objectives: to review the principles underlying our work, and to sketch some persistently troubling and difficult issues. Discussion regarding particular items could be more fruitfully pursued later, when the completed document is in hand. The underlying principles can be summarized as follows:

1. **THE PRINCIPLE OF ACADEMIC FREEDOM AND PROFESSIONAL RECOGNITION.** We sought to emphasize that the basis for tenure is academic freedom; the institution makes a permanent commitment to the faculty member in recognition of both earned academic achievement and future contribution through unhindered inquiry. Likewise, promotion involves a well-defined process of peer evaluation to encourage, through appropriate rewards and recognition, scholarly excellence. Taken together, a well-designed tenure and promotion system can provide the right combination of stability and stimulus.
2. **THE PRINCIPLE OF PARTICIPATION AND PEER EVALUATION.** We have stressed the importance and desirability of enhanced faculty participation, at all levels, and reliance upon reasoned and informed peer evaluation rather than a laundry list of criteria and mechanical judgment.
3. **THE PRINCIPLE OF SEQUENTIAL REVIEW AND FUNCTIONAL COMPETENCE.** We have responded, on the one hand, to interdependence among the constituent parts of the University by involving all segments in a process of sequential review, starting with the smallest self-contained academic unit and terminating at the all-University level. On the other hand, we responded to uniqueness and specialization within the University by proposing review pro-

cedures that at each level reflect the functional competence of the reviewing body.

4. **THE PRINCIPLE OF SHARED RESPONSIBILITY.** We have recognized the need for joint participation by faculty and academic administrators and the parallel requirement to demarcate their respective domains. The review committees are advisory at all levels, and their recommendations carry the force only of moral authority. Ultimate legal responsibility continues to be borne by academic administrators. Where differences emerge, both parties share an obligation to explore jointly the reasons for divergence.

The troublesome issues can perhaps best be summarized by the following questions:

1. Should tenure be defined in terms of geographic location, college affiliation, academic specialization, functional role, or various combinations of these attributes?
2. How is the permanence of the tenure commitment coordinated with the inevitably changing character of the University over time?
3. How is participation encouraged and strengthened without creating an excessively formalized and bureaucratic structure?
4. How, in a University of this size, complexity, and diversity, can a tenure and promotion system be sufficiently flexible to accommodate a potentially wide spectrum of contingencies and yet also be reasonably uniform and unambiguous to provide operationally meaningful guidelines?

Capitol Campus authority

Delegation of authority to the faculty at the University's Capitol Campus would be reviewed at least every five years under a recommendation made by the Faculty Senate's Capitol Campus Review Committee.

(Continued on page four)

Deaths

John B. McCool, Jr., who served as Clinton County agricultural agent for 32 years, died October 24. He retired from the Extension Service staff in 1955, then served for eight years as director of the Pennsylvania Farm Show. A 1922 Penn State graduate with a B.S. in agronomy, he obtained an M.S. in agricultural economics in 1939.

Kenneth R. Davenport, 58, associate professor of mechanical engineering, died Monday, Oct. 28, at Geisinger Medical Center, Danville. A native of Baldwinville, N.Y., he joined the University faculty in 1949. He was a 1938 graduate of Syracuse University, with a B.S. degree in mechanical engineering. From 1941 to 1947, Mr. Davenport was a design engineer with Avco, Williamsport, and he also held engineering positions with Continental Can Corp., Syracuse, N.Y., in 1940-41, and Lamson Co., also in Syracuse, N.Y., 1939-40. He was the co-builder of the Roughtometer, a device used by the Pennsylvania Department of Highways to measure road roughness.

Appointments

Woodrow W. Bierly has been named acting head of the department of public information, filling the vacancy created by the death Oct. 24 of A. Dixon Johnson, who was department head for 12 years. Bierly, a 1938 graduate of the University, joined the staff in 1945 and became news bureau manager in 1962.

Rishal Ray, an visiting research associate in aerospace engineering, to work with Dr. B. Lakshminarayana, professor of aerospace engineering, in research funded by NASA concerning compressor or turbine aerodynamics, will receive a Ph.D. at Fall Term commencement. He is a graduate of The Punjab University, India, and received a master's degree in power engineering at the People's Friendship University of Moscow, U.S.S.R.

Dr. Karon W. Leub, as assistant professor of child development. A graduate of Mukwonago College, she obtained advanced degrees in human development of the University of Kentucky, where she was a psychologist in the Infants' Program, Western Carolina Center, Morgantown, N.C.

Dr. John Lee, an assistant professor of meteorology. He earned three degrees in meteorology at Florida State University and was a postdoctoral fellow at the National Center for Atmospheric Research, Boulder, Colo. He was director of the Trinidad and Tobago Meteorological Service, 1963-67.

Dr. James E. O'Hara, as assistant professor of English, York Campus, received B.A. and M.A. degrees at Penn State and a Ph.D. in English literature of the University of Michigan. He was a newspaper for the Pottsville "Republican."

Dr. Richard M. Pfeiffer, as assistant professor of chemistry, Behrend Campus. He is a graduate of California State University, Northridge, received an M.S. of U.C.L.A., and was granted a Ph.D. in chemistry by Wesleyan University, Middletown, Conn.

Dr. Nick J. Reckoff, as assistant professor of engineering. He obtained all three degrees at Ohio State University and was a manufacturing liaison engineer with Ford Motor Co. and a self-employed consulting operations analyst.

Dr. Joel I. Seiferas, as assistant professor of English, Harrisburg Campus. He earned all three degrees at Massachusetts Institute of Technology, where he was a National Science Foundation Graduate Fellow.

Dr. Marie J. Secor, as assistant professor of English. A graduate of the College of New Rochelle, she earned advanced degrees in English at Brown University.

Karl C. Steiner, as assistant professor of forest resources. A graduate of Colorado State University with an M.S. from Michigan State, he is currently a candidate for the Ph.D. in forest genetics at Michigan State, where he is an instructor. He was director of the dendrology herbarium at Colorado State and served with the U.S. Forest Service.

Dr. Mary Therese Strauss, as assistant professor of English at the Berks Campus. A graduate of Carlow College, she earned both an M.A. and Ph.D. in English at the University of Pittsburgh. She was previously assistant professor of English at Robert Morris College.

Dr. James R. Sweeney, as assistant professor of history. A specialist in medieval ecclesiastical history, he is a graduate of Trinity College. He earned his Ph.D. at Cornell University. He is currently studying the growth of Papal power within the church during the 12th and 13th centuries and works with the Eastern European Center.

Robert Gannon, as lecturer in English. A freelance writer, he has been writing magazine articles and books for the past 15 years and is currently assistant editor of "Popular Science."

Kenneth R. Van Gorder, as lecturer in English; he has been a part-time lecturer since 1972. He received both bachelor's and master's degrees from Penn State and has worked for U.D.I.S. as television production assistant cameraman.

Honors



Dr. Betty van der Smitten, professor of recreation, was honored by the Society of Park and Recreation Educators at its annual banquet at the National Recreation and Park Congress held in Denver recently. She was given the "Distinguished Fellow Award" and cited "for recognized excellence and outstanding service in the field of Park and Recreation Education," especially in the areas of graduate education and research. For a number of years she chaired the National Task Force for the development of both undergraduate and graduate curriculum standards and evaluation criteria and was instrumental in preparing national credentials for accreditation of the Recreation and Parks professional curriculum. In addition to being cited for the contribution of her own research in the field, she was also honored for her stimulation and facilitation of research nationally. Particularly cited in presentation of the Award were her continuing efforts toward excellence in the profession and the high standards of quality required of her students and evidenced in her own work. The professional responsibilities assumed by her students and their quality performance have made significant contributions to the field of recreation. She is one of fewer than a dozen persons to have received this award since it was established.

Ribbon cutting for Hershey addition
At Hershey Medical Center, ribbon-cutting ceremonies were held Oct. 30 for the new cancer research wing, costing \$3.6 million. President Oswald, who did the cutting, got a lot of help from Dr. Harry Pflaum, provost of the Medical Center and dean of the College of Medicine; Dr. Guy D. Newell, Jr., deputy director of the National Cancer Institute of N.I.H.; Dr. Fred Rapp, associate provost of the Medical Center; and Guy D. Newell, Jr., president of the Board of Trustees. The Hershey research in cancer is known internationally, and the new facility will expand the research effort and provide additional space for training other research scientists.



She served at Penn State for 19 years

Mary B. Allgood honored in south

Appalachian State University at Boone, N.C., has dedicated the Allgood Living Center, honoring the memory of Mary Brown Allgood, former professor of home equipment and chairman of the undergraduate program of commercial consumer services at Penn State.

Professor Allgood in 1961 resigned her post at Penn State after 19 years of service to become chairman of the Home Economics Department at Appalachian State University in Boone, N.C. Under her leadership, the Appalachian Department of Home Economics grew in both programs and number of faculty and students. Professor Allgood also worked with planners on the Home Management House and the Lucy Brock Nursery School.

She died in 1972, a year before she planned to retire.

In conjunction with the dedication of the Allgood Living Center, the Mary Brown Allgood Memorial Seminar was conducted Oct. 17-19. The theme for the seminar, sponsored by Appalachian's Department of Home Economics and its Artists and Lectures Programs, was "Home Economics: Focus on People and Their Needs."

Dr. Ruth L. Pike, professor of nutrition science at Penn State, conducted a session on "Nutrition: From Cell to Organism." David B. Van Dommelen, associate professor of art education spoke on "Man and Aesthetics in a Changing Environment."

Staff vacancies

University faculty or staff members who are interested in any of the staff exempt or staff non-exempt jobs listed below may apply by calling Employment Division, 865-1387 (Network Line 478-1387). Do not contact the area having the vacancy. Applications will be accepted until 5 p.m.

NOVEMBER 14, 1974

SECURITY OFFICER — Beaver Campus

Responsible to the Campus Director for the overall security of the Beaver Campus, for hiring, training, instructing, and scheduling patrol officers, and for administrative operation of the security and traffic programs of the Campus. Requires training and education in an area such as law enforcement, police and security work, military intelligence work, or similar education, equivalent to two years of college education; plus four to six years experience in the area of law enforcement.

GRAPHIC ARTIST, COLLEGE OF EDUCATION — University Park

Responsible to the Manager of Operations, Computer Assisted Laboratory, for the visual construction of aids and lettering in the production of visual aids and displays, as requested. Associate degree, a graduate of a two-year program from an art institute or equivalency and over one year up to and including two years of effective experience in any phase of graphic arts is required. Knowledge of audio-visual aids and techniques is helpful.

QUOTA BAKERY — Hershey Medical Center

Responsible to the Operations Engineer at the Milton S. Hershey Medical Center for the development of drawings and specifications for maintenance, operations, alterations and selected new projects for the Medical Center buildings, yards, mechanical systems and electrical systems. Associate degree, or equivalent, plus 2 to 4 years related experience.

DATA BASE COORDINATOR, MANAGEMENT SERVICES — University Park

Under the general direction of the Director, Management Services, the Data Base Coordinator will publish, distribute and maintain data element dictionaries; will document data base policies and guidelines for the control of each data base; will assure that data base policies and guidelines are correctly administered. A Bachelor's degree or equivalent in Information Science or Business Administration plus one to two years of administrative and business experience in record keeping activities.

ASSISTANT COMMUNITY USE COORDINATOR, COMMUNITY EDUCATION — University Park

Responsible to the Community Use Coordinator for the coordination of WPS-TV Community Use Projects and for assistance in the development and implementation of community use projects for the Pennsylvania Public Television Network. Bachelor's degree or equivalent in journalism, communications, education, English or related discipline; two to four years of related experience in media utilization, continuing education field or related field.

THE UNIVERSITY IS AN EQUAL OPPORTUNITY EMPLOYER

He is French political scientist

Exchange grad student begins study

Guy DuFour, a French graduate student studying political science, is attending the University this term as part of a new foreign exchange program with the University of Strasbourg in France.

During the other half of the exchange, Alan Manning, a doctoral candidate in French at Penn State, is studying at the University of Strasbourg.

The new exchange program operates on a fellowship basis, with the universities paying tuition, room and board for the students; funding at Penn State for the fellowship program is through the vice president for undergraduate studies.

Next year, in addition to the fellowship program, an exchange of teaching assistants is planned. A Penn State graduate student will go to Strasbourg to study French and teach English, and a Strasbourg graduate student will come to the University to study English and teach French.

DuFour, who holds a degree from the University of Strasbourg and has done advanced work in political science and taxation, says he wanted to study in the United States partly to improve his English, and partly "to study what we cannot in Europe."

"Some programs here are much more

advanced than what is available in Europe," he said. "The field of political science, for example, is relatively new in France and more generally encompasses economics, international relations and public administration."

Specialized areas such as fiscal policy and taxation systems, he said, are not developed as well in Europe as in the United States.

DuFour, who will attend Penn State until the end of next May, is presently studying to improve his proficiency in English, and is sitting in on courses in political science and economics.

"I studied American foreign policy at Strasbourg," he said, "and now it is interesting to me to see it presented from the American viewpoint."

Influenced by the image of the United States, and particularly American big cities, projected by the mass media, DuFour said he was apprehensive at first during his first trip to this country.

"I was surprised by the kindness shown me," he said. "Everyone was helpful."

With the completion of his study term, DuFour plans to return to Europe, although he has not decided yet whether to return to school or begin a career in government or business.

Harrisburg business gets Capitol help

Small business owners in the Greater Harrisburg area are receiving advice and management assistance from seniors and graduate students at Capitol Campus under the Small Business Administration's "Small Business Institute Program."

For example, 17 Capitol Campus students under the direction of Dr. Harold Gilmore, associate professor of management, are working in consulting teams to supply small businesses in the area with up-to-date knowledge and practices in exchange for work experience. Michael Roddy is consultant to Pope Engineering; Ray Kasper and Amar Bhajandas,

work with Center City Storage of Harrisburg; and Clark Baker, Guy Davenport and Mike Rayner all do consulting work with Harrisburg Taxicab and Baggage Co. From the standpoint of the businesses themselves, owners are provided with custom-tailored financial and managerial advice; from the students' angle, they keep in touch with the realities of the marketplace through their work experience.

In the current Fall Term, ten area businesses are prototyping by the program. Dr. Gilmore hopes to extend the benefits to other businesses during the course of the year.

University Park Calendar

November 7-17, 1974

Items to be included in this calendar should be sent to the editor, Room 312 Old Main, by Thursday of the week preceding publication.

SPECIAL EVENTS

Thursday, November 7 — Faculty Women's Club Fall Lecture Luncheon, 12:15-1:30 p.m., Room 101 Kern. Frank Patrick on "Recruiting Policies and Academic Counseling of Football Players at Penn State."

Thursday, November 7 — FSHA 410 dinner, "Austro-Hungarian Empire," 5:30 p.m., Maple Room, reservations required.

Thursday, November 7 — "Homage to Erik Satie," Surrealist Concert of dance and music, 8:30 p.m., Schwab.

Thursday-Saturday, November 7-9 — University Theatre, Surrealist Celebration, "The Breasts of Tiresias" and "The Wedding on the Eiffel Tower," 8 p.m., Playhouse Theatre.

Thursday-Saturday, November 7-9 — University Theatre, "Lemon Sky," 8 p.m., Pavilion Theatre.

Friday, November 8 — Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

Saturday, November 9 — Artists Series, The Royal Shakespeare Company, "The

Hollow Crown," 8:30 p.m., University Auditorium.

Saturday, November 9 — Sports: Cross Country, vs. Pittsburgh, 11 a.m., White golf course.

Sunday, November 9 — Artists Series, The Royal Shakespeare Company, "Pleasure and Repentance," 8:30 p.m., University Auditorium.

Sunday, November 10 — Chapel Service, 11 a.m., Eisenhower Chapel. The Reverend Charles L. Coleman, Program Director, Religious Affairs.

Sunday, November 10 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

Tuesday-Saturday, November 12-16 — University Theatre, "Lemon Sky," 8 p.m., Pavilion Theatre.

Tuesday, November 12 — Gallery Talk on "Living American Artists and the Figure" by William Davis, assistant director of the Museum of Art, 10:30 a.m., Museum of Art.

Wednesday, November 13 — Artists Series Film Festival, "The Kid" and "The Tide

Class," Charlie Chaplin, 8:30 p.m., University Auditorium.

Wednesday, November 13 — "Hawaii," color slide show by H. Thomas Halliwell, 7:30 p.m., Room 101 Chambers.

Wednesday, November 13 — Slide-illustrated talk on the Penn State Chorus European tour through seven countries, presented by assistant director Tommie Irwin, 8 p.m., Helen Eakin Eisenhower Chapel lounge, sponsored by AAUW travel study group.

Wednesday-Saturday, November 13-14 — FSHA 410 dinner, African indoor picnic on, Thursday, "First-Presidential Inaugural Dinner," 5:30 p.m., Maple Room. Reservations required.

Friday, November 15 — Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

Saturday, November 16 — Sports: Football, vs. Ohio University, 1:30 p.m., Beaver Stadium. Band only.

Sunday, November 17 — Sports: Cross Country, Eastern USTFF Championships, White golf course, 11 a.m.

Artists Series



Ann Firbank is one of the featured members of the Royal Shakespeare Co. which will perform "The Hollow Crown" Saturday, Nov. 9, and "Pleasure and Repentance" Nov. 10 in University Auditorium, at 8:30 p.m.; some tickets remain for the Nov. 10 performance.

SEMINARS

Thursday, November 7 — Meteorology, 3:55 p.m., Room 26 Mineral Sciences. Dr. J. H. E. Clark on "The Propagation of Planetary Wave Energy in the Winter Stratosphere."

Thursday, November 7 — Agronomy, 3:45 p.m., Room 301 Ag. Administration. Chicago American Society of Agronomy Paper Presentation Previews.

Thursday, November 7 — Physics, 3:55 p.m., Room 117 Osmond. James L. Filar, Brown University, on "Recent Developments in Nuclear Physics."

Thursday, November 7 — Computer Science, 4 p.m., Room 101 Althouse. Dr. Philip M. Lewis, General Electric Research and Development Center, on "Approximate Algorithms for the Traveling Salesperson Problem."

Thursday, November 7 — Microbiology, 4 p.m., S2 Frear. Austin Newton on "Development in 'Caulobacter Crescentus'."

Thursday, November 7 — Philosophy, 4 p.m., Room 351 Willard. Jonathan Eroid, NEH Interdisciplinary Post-Doctoral

Fellow, on "More Than Humean Skepticism."

Thursday, November 7 — Statistics, 4 p.m., Room 75 Willard. James H. Matis, visiting professor, "On a Compartmental Model for the Safety of Carcinogenic Agents."

Friday, November 8 — Physical Chemistry, 4 p.m., Room 333 Whitmore. James B. Anderson on "A Random Walk Game. Competition for LCAO-MO-SCF-CI Etc.?"

Friday, November 8 — Fuel Science, 1:30 p.m., Room 244 Delke. Roger A. Strehlow, aeronautical and astronautical engineering, University of Illinois, on "Coal Dust Combustion and Suppression."

Monday, November 11 — Entomology, 4 p.m., Room 244 Patterson. Dr. Jim V. Fitcherson on "The Sexual Behavior of the Gypsy Moth" (film).

Monday-Tuesday, November 11-12 — Biochemistry, 11:10 a.m., Room 101 Althouse. Dr. Robert C. Krueger, University of Cincinnati Medical Center, on "Studies on a Compact Type of Mammalian Chromatin;" Tuesday, "Nuclear Ribonu-

cleoproteins as Inhibitors of Mammalian RNA Polymerase."

Monday, November 11 — Genetics, 4 p.m., Room 111 Tyson. Dr. Sally Dachter, biology, on "Reverse Transcriptase: A Review."

Tuesday, November 12 — Engineering Acoustics, 4 p.m., Room 71 Willard. Leslie D. Frank on "The Contributions of Bark and Ground Absorptions to the Attenuation of Radiated Vehicle Noise Within a Forest."

Tuesday, November 12 — Physiology, 3:55 p.m., Breazeale Nuclear Reactor. Dr. W. Jester, on "Biological Applications of Neutron Activation Analysis."

Tuesday, November 12 — Psychology, 7:30 p.m., Room 101 Chambers. Dr. James Martin on "Value: Its Place in a Unified Theory of Mind."

Wednesday, November 13 — Joint Physical and Analytical Chemistry, 11:30 a.m., Room 333 Whitmore. M. S. B. Munson, University of Delaware, on "Chemical Ionization Mass Spectrometry."

Thursday, November 14 — Chemistry, 12:45 p.m., Room 333 Whitmore. Stuart A. Rice, University of Chicago.

Thursday, November 14 — Microbiology, 4 p.m., Room S2 Frear. Gerald R. Fink on "The Integration of Amino Acid Biosynthesis into the Cell Cycle of Yeast."

Thursday, November 14 — Agronomy, 3:45 p.m., Room 301 Ag. Administration. Dr. Henry Fortmann, Agr. Exp. Sta., on "Agronomic Regional Research of the Northeast."

Thursday, November 14 — Statistics, 4 p.m., Room 75 Willard. A. M. Gross, Bell Laboratories, Murray Hill, N.J., on "Confidence Interval Robustness with Long-Tailed Symmetric Distributions."

Thursday, November 14 — Astronomy, 2:30 p.m., Room 445 Dewey Lab. Sabina Sofia, U. of South Florida, U. of Rochester, on "Gamma Ray Bursts: Are They Matter-Antimatter Events?"

Friday, November 15 — Engineering Acoustics, 4 p.m., Room 362 Willard. Dr. J. Srilal, Loughborough University, England, on "Ultrasonic Research at Loughborough University."

MEETINGS

Thursday, November 7 — A.A.U.P., collective bargaining discussion, 11:45 a.m.-1:45 p.m., dining room C, HUB. All faculty.

Monday, November 11 — OTIS, 6:30 p.m., Room 203 HUB.

Tuesday, November 12 — ARHS, 7:30 p.m., Room 308 Boucke.

Tuesday, November 12 — University Faculty Senate, 2:10 p.m., Room 112 Kern.

Wednesday, November 13 — USG Academic Assembly, 7:30 p.m., Room 311 Boucke.

EXHIBITS

Museum of Art — Living American Artists and the Figure. Galleries A and C. Twentieth Century Master Pottery, Gallery B.

Zoller Gallery — Fiftieth Anniversary of the Surrealist Manifesto, Nov. 7.

Rare Books Room, Patten Library — Rare books, manuscripts, letters, journals related to Surrealist Movement.

Cultural Center, Walnut Bldg. — "The Black Presence in the Era of the American Revolution, 1770-1800," a Smithsonian traveling Exhibit.

Kern Gallery — Ken Kuhn, wall reliefs, through November 9. D. Tracy Blumenthal, paintings, through November 9. Shirley Sturtz, watercolors, drawings, opening November 10.

FILMS

Thursday-Sunday, November 7-10 — Centre Figures, "Slaughterhouse Five," 7:30 and 10 p.m., Thursday, Simmons Lounge, Friday-Sunday, Room 105 Forum.

Friday-Sunday, November 8-10 — South Halls, "Butch Cassidy," 7:30 p.m., Redifer D.

Friday-Sunday, November 8-10 — East Halls, "Effect of Gamma Rays," 7:30 and 10 p.m., Findlay Rec Room.

Friday-Sunday, November 8-10 — North Halls, "Bonnie and Clyde," 7:30 and 10 p.m., Room 102 Forum.

Friday-Sunday, November 8-10 — West Halls, "Camelot," 7:30 and 10 p.m., Waring lounge.

Tuesday, November 12 — Helzel Union Board, "Search for Ulysses," 11 a.m., HUB assembly room.

Friday-Sunday, November 15-17 — South Halls, "Sleeper," 7:30 and 10 p.m., Redifer D.

OFFICIAL

Friday, November 15 — Last day for signing Emergency Loans for Fall Term.

WPSX highlights

Saturday, Nov. 9 — Film, "Love" (1927) with Greta Garbo, John Gilbert, 8 p.m.

Sunday, Nov. 10 — Film, "The Monster," comedy thriller, with Lon Chaney, Jr., 6 p.m.

Sunday, Nov. 10 — "How Much Do You Smell," documentary on communication by sense of smell, 7:30 p.m.

Monday, Nov. 11 — Yehudi Menuhin performance, "Al Wall Trap," 8 p.m.

Wednesday, Nov. 13 — Berlin Philharmonic playing Bach's "Suite No. 2" and Beethoven's "Symphony No. 5," 9 p.m.

Thursday, Nov. 14 — Pennsylvania Magazine, 7:30 p.m. and documentary at 9 p.m., on "The Elders."

HUB specials

Sunday, Nov. 10 — Oliner, chopped steak, \$1.59; supper, lasagna, \$1.29.

Monday, Nov. 11 — Lunch, grilled cheese sandwich, soup, \$1.75; supper, chicken Brunswick stew, \$1.25.

Tuesday, Nov. 12 — Lunch, hot roast meat sandwich, \$1.07; dinner, sweet and sour pork with rice, \$1.09.

Wednesday, Nov. 13 — Lunch, bar-b-q on bun, soup, \$1.75; dinner, sautéed steak, \$1.25.

Thursday, Nov. 14 — Lunch, creamed beef on mullin, soup, \$1.11; dinner, stuffed flank steak, \$1.60.

Friday, Nov. 15 — Lunch, fishwich with slaw, soup, \$1.05; dinner, Italian shrimp and macaroni, \$1.23.

Saturday, Nov. 16 — Lunch, Chili con carne, \$6.44; dinner, spaghetti, \$1.17.

CALENDAR DEADLINE
Information is being collected now for the Winter Term Calendar which will appear in the issue of December 5. The deadline for receipt of this material is in Room 312 Old Main is November 20. Departments should consider listing their seminars and colloquia (date, time and place) even though final details have not been developed.



Fifteen miles from Hana, on the Isle of Maui, Hawaii, are the historic seven pools, which are shown in the slide collection of H. Thomas Halliwell, University trustee. The color slides will be shown Wednesday, Nov. 13, at 7:30 p.m. in Room 101 Chambers Bldg.

University, HEW sign memorandum on Affirmative Action Plan

A memorandum of understanding describing final steps to be taken for formal approval of the Affirmative Action Plan of the University has been signed by the University and the Department of Health, Education and Welfare.

Among other things, the agreement calls for the submission prior to Nov. 15 of an updated Affirmative Action Plan based on current employee data and incorporating corrections suggested last July. The agreement also requires the Department of Health, Education, and Welfare to respond to the University prior to Jan. 15, 1975.

Again, the University confirms its policy of nondiscrimination set forth earlier which prohibits discrimination against any employee or applicant for employment because of race, color, religion, sex or national origin.

Also confirmed again is the Affirmative Action program under which the University actively encourages minority group members and women to seek employment and under which the University takes affirmative actions necessary to significantly increase the number of minority group members and women in University positions where they have not traditionally been employed.

The Affirmative Action policies necessary to correct any identified practices which have a discriminatory impact on minorities or women also are again confirmed.

The Office of Civil Rights, Department of Health, Education and Welfare, according to the Memorandum which was co-signed by Dr. John W. Oswald, presi-

dent of the University, and Dewey E. Dadds, director of Region III, Office of Civil Rights, confirms the eligibility of the University for Federal government contracts from the equal employment opportunity standpoint and will continue the University in that status as long as it carries out its obligations under the Memorandum of Agreement and does not otherwise violate the requirements of Executive Order 11246, as amended.

Failure of the University to carry out this understanding, without good cause, will constitute grounds for the institution of sanctions in accordance with procedures set forth in the rules and regulations adopted by the Department of Health, Education, and Welfare, it is explained.

NEWS —

(Continued from page one)

cars and other vehicles from 2:30 to 6 a.m. so that crews may remove snow. All such areas are designated as snow removal areas and will have signs, "No Parking, 2:30 a.m. to 6 a.m." The regulation is in effect whether snow has fallen or not.

RETIRED STAFF CLUB

The 166th meeting of the Retired Staff Club will be held Thursday, Nov. 14, at 7:30 p.m. in the St. Andrews Episcopal Church Life Center, and newly retired faculty and staff members are invited to attend, as well as those who have been retired for some time but did not join the Club. The speaker will be Dr. Philip S. Klein, professor emeritus of history, who

This Memorandum of Understanding is a final step culminating three years of efforts by Penn State officials in plan submission and Office of Civil Rights review, points out Dr. Patricia A. Farrell, who heads the Affirmative Action Program at the University.

Among the materials to be included in the new Affirmative Action Plan will be work profiles indicating by number the sex, rank, degree, and minority group of all faculty members employed in the four full-time job classifications: instructor, assistant professor, associate professor, and professor. The rate of utilization by the University of women and minorities in each of the job classifications also will be indicated and will be presented by college,

department or other organizational unit.

The University Park Campus, Capitol Campus, Hershey Medical Center, and Behrend College will be reported as separate units while the faculty and staff at the Commonwealth Campuses will be included as a part of the University Park profile.

Similar profiles will be prepared for executive and administrative personnel, staff exempt and staff non-exempt personnel, technical service personnel, clerical personnel, and part-time personnel.

Where problem areas are identified in the revised plan, in-depth analyses will be conducted, and where appropriate affirmative actions will be taken to correct deficiencies.

will talk on "My Country, by the Name of Pennsylvania," which is taken from a letter written by William Penn in 1681. If you wish to attend, contact Mr. and Mrs. Ray Conger, 237-2393.

SENATE OFFICE

The office of the executive secretary of the University Faculty Senate, Oscar Barkman is currently listed incorrectly in the new telephone directory; the correct address is Room 205 Wilford. Sometime in the future a move to Birch Bldg. is contemplated.

FSHA DINNER

A South African indoor picnic will be staged by the FSHA 410 class Wednesday, Nov. 13, at 5:30 p.m. in the Maple Room

of the Human Development Bldg., in the program of international and special meals organized by the class. Thursday, Nov. 14, will be a First Presidential Inaugural Dinner. For more information and reservations call 865-7441.

CYCLISTS COLLECT

To aid the Children's Hospital in Pittsburgh, Alpha Kappa Lambda fraternity and Alpha Sigma Alpha sorority staged a bicycle ride from Pittsburgh to State College recently, with 15 cyclists riding the 160 miles in shifts of 20 or 25 miles each. By collecting in towns along the way, and in State College before the ride, a total of \$2,289 was obtained in the three-day trip. Overnight stops were made in Altoona and Johnstown.

Funding Opportunities

For procedural and funding source information, call 865-1372.

November 7, 1974

(154-1) An International Competition for Research in the Soviet Union and Eastern Europe has been announced by the Ford Foundation. Grants will range from \$30,000 to \$80,000 for research projects which are problem-oriented and may include the disciplines of economic history, political science, sociology, literature, linguistics, law, art, and anthropology. A brief outline of proposals must be submitted by Jan. 1, 1975 as a prerequisite for consideration in the final competition. Final proposals will be due March 15, 1975 with awards expected by the end of May. The announcement and guidelines have been distributed. (Ref. 10/18/74, Announcement)

(154-2) Applications for research in subjects which are relevant to the protection and conservation of marine mammals must be received by the U.S. Fish and Wildlife Service, U.S. Dept. of Interior by Jan. 1, 1975 for both the current fiscal year (1974-75) and FY 1976 (1975-76). Therefore, proposals must be submitted by Sept. 1, 1974 to the U.S. Fish and Wildlife Service. Final proposals will be due March 15, 1975 with awards expected by the end of May. The announcement and guidelines have been distributed. (Ref. 39FR 37394, 10/21/74)

(154-3) The Energy Reorganization Act of 1974 (PL 93-680) established the Energy Research and Development Administration (ERDA) bringing into one organization all major federal programs of research and development for all forms of energy. A new Nuclear Regulatory Commission (NRC) now performs all licensing and regulation previously done by the Atomic Energy Commission which has been abolished. A new Energy Research Council coordinates energy policy among all federal agencies and includes the Secretary of Interior (Chmn.), Secretary of State, Administrators of both ERDA and the Federal Energy Administration and the Director of OMB. The Management and Budget. ERDA will continue all phases of energy research including for FY 1975 \$2.3 billion for nuclear (AEC), \$372 million for coal (DOE), \$27 million for solar and geothermal (NSF), and \$5 million for alternative (EPA). (Ref. Information Report, OIS, 10/15/74)

(154-4) The Office of Education (OE) has announced a Jan. 15, 1975 closing date for receipt of applications for Continuation Grants under its Graduate and Undergraduate International Studies program. (Ref. 39FR 37664, 10/23/74)

(154-5) Faculty Fellowships for research on the role of women in society will be awarded by the Ford Foundation. Recipients will devote full time to research, and will be exempt from academic salary lost by accepting such awards. The faculty member must be nominated by the department head or college dean, and only one nomination per department may be submitted. Write to the Ford Foundation, 320 E. 43rd St., New York, N.Y. 10017.

(154-6) Latin-American Teaching Fellowships are available to pre- and post-doctoral scholars through a program managed by the Fletcher School of Law and Diplomacy, Tufts University, Medford, Mass. 02155. Most appointments are for 24 months. Bursaries require full-time. Applicant should speak host-country language. Preference for pre-doctoral appointments are people who have passed their dissertation and are currently involved in a corporation or government agency are also available. Further stipends are \$400-\$700/month. For typical information write to the address given above.

SENATE REPORT —

(Continued from page one)

The committee also recommends that the Faculty Senate review be made at the time of the recently inaugurated five-year academic program review.

The recommendations are among those developed by the review committee in its first review of the delegation of authority which was granted to the Capitol Campus Faculty Organization by the Senate in March, 1972.

Its report, with four specific recommendations, will be presented to the Senate for action at its Nov. 12 meeting.

While recommending that the delegation of authority to the Capitol Campus faculty be reviewed at intervals not exceeding five years, the committee also provides for an earlier review if requested by the Senate.

It said that meshing of the two review programs — delegation of authority and academic program review — would provide a more thorough evaluation of the entire operation of the Capitol Campus.

According to the review committee, the constitution of the Capitol Campus Faculty Organization, modeled on the constitution of the University Faculty Senate, has served as "a solid basis for the operations of the campus."

In its study of the delegated responsibility, the committee cited a communications problem.

"Although the Senate's 1972 action called for the Senate as a whole to be aware of actions of the Capitol Campus Faculty Organization so that the Senate may exercise its review authority as needed," the report says, "there was no way in which the Senate as a whole could know what was going on at Capitol Campus."

"This lack of communication growing out of the inexperience in all quarters in implementing the reporting process has been in the committee's view largely responsible for the sense of uneasiness about Capitol Campus that has existed in the minds of many senators during the past three years."

To remedy the situation, the review committee recommends that all legislative actions by the Capitol Campus Faculty Organization must be reported in summary form in the next monthly "Senate Record." The Senate chairman would be charged with establishing procedures for efficiently reporting such matters.

It also recommended that a special section of the "Senate Record" be labeled "Action by Bodies with Delegated Responsibility."

Reports in this action would include legislative actions of the Graduate School Council, legislative actions of the Faculty Organization of the Capitol Campus, and legislation from any other body to which authority may be delegated by the Senate.

According to the review committee, present established procedures at the Capitol Campus provide input to the Senate Academic Affairs Committee from all appropriate areas at the campus prior to Academic Affairs making its decisions on course and curricula proposals.

However, the committee said the procedures appear to be somewhat inadequate in that, following approval of courses and curricula, the report to the Senate as a whole on the "Bluesheets" has been headed "For Information Only."

"This has been an obstacle to the Senate's exercise of its proper review authority. Although obviously any senator could bring to the floor of the Senate a question in regard to any action by the Capitol Campus Faculty Organization, it has

not been possible for an individual senator or other faculty member to enter into discussion about Capitol Campus actions in the same way which he could enter into such discussions for all other academic actions of the University.

"As a result, either no discussion could take place or such discussion as might be insisted upon would be escalated immediately to the floor of the Senate where similar discussions almost never occur in regard to actions of the Senate Curricular Affairs Committee."

The review committee recommends that undergraduate curricular matters, including 400-level courses, proposed by Capitol Campus shall appear on the Senate "Bluesheets" in a separate section. The items will become available for implementation or scheduling 31 days after the posted date of the "Bluesheets" unless written objection is directed to the chairman of the Academic Affairs Committee at Capitol Campus via the Senate office.

Objections will be resolved by the Academic Affairs Committee of Capitol Campus and reported back to the Senate office. Graduate programs and courses will continue to be handled according to current University-wide Graduate School procedures.

"This recommendation," the committee said, "should not be viewed as a lessening of the delegation of authority to the Capitol Campus Faculty Organization, but rather as a means of expediting and clarifying whatever problems may arise."

"It is not intended as a substantive change in the delegation, but rather as a change in the mechanics of placing information before the Senate."

While examination of the competence of the faculty or the quality of the programs offered at Capitol Campus was not part of the review committee's charge, it noted in its report that it was involved to some extent in such matters.

The committee found the program established at Capitol Campus to be of "the quality and nature needed to carry out the University's mission of the campus." The faculty, the committee report said, is clearly capable to offer the specific programs and has a great deal of expertise to offer the University in these areas.

While detecting some desire on the part of the Capitol Campus faculty to have greater independence from the University than it now has, the committee also said there was too little knowledge of the progress made at other campuses of the University, and especially at University Park, in areas which should be of great interest and concern for the faculty at Capitol Campus.

And, it found that faculty members from other campuses have too little knowledge of the academic gains at Capitol.

In an effort to correct the situation, the committee "strongly recommends" that a greater reciprocal exchange of views on matters relating to programs and courses be initiated between the Capitol Campus faculty and counterparts throughout the University system.

"Because of the unique mission of Capitol Campus," the review committee said, "the Capitol Campus Faculty Organization is an ideal mechanism to demonstrate multi-disciplinary approaches to others within the University who have been concerned chiefly with disciplinary matters."

"Further, since Capitol Campus began, interdisciplinary projects have multiplied throughout other parts of the University, and it may well be that input from these areas would be useful to Capitol in carrying out its unique mission."

PENN STATE intercom

Volume 4, Number 11

November 14, 1974

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

Replaces Committee on Resident Education

Administrative council on undergrad instruction formed

An Administrative Council on Undergraduate Instruction (ACUI) has been organized at the University, replacing the Administrative Committee on Resident Education, which for more than two decades has been concerned with assisting in the implementation of academic policies of the University Faculty Senate and of the Board of Trustees.

The reorganization, it is explained, was prompted by a number of factors, among them the unwieldy size of the original committee of nearly 30 members, the diverse diversity of organizational units that were represented, and a need to relate to recent organizational and personnel changes within the University as well as a growing need for closer administrative liaison with the University Faculty Senate Committee structure.

While the old Committee was limited to resident education matters and devoted much of its time to procedural matters, the new Council will be concerned with all credit instruction and degree programs and become more deeply involved with the undergraduate instruction program, explains Dr. Robert E. Dunham, vice president for undergraduate studies, who serves as chairman of the Council.

The Council will have University-wide responsibilities for:

- Developing recommendations for approval by the Provost regarding administrative policies required in the review and implementation of academic degree programs and credit courses of the University.

- Formulating, adopting, and implementing procedures and practices to facilitate, coordinate and manage the flow of students within and among academic credit courses and programs, colleges and campuses and to insure the quality and integrity of academic credit courses and programs of the University.

- Coordinating the interpretation and application of administrative policies and procedures required in the review and implementation of academic credit programs of the University.

- Serving as the academic administrative agency for maintaining liaison with the University Faculty Senate and with the faculty organizations of individual academic units on matters relating to the academic degree programs of the University.

Providing advice and fostering administrative understanding and cooperation toward the effective provision of highest quality academic credit programs within the University.

To fulfill these responsibilities, the Council is organized to include a structure of two standing committees: Academic Services and Academic and Curricular Affairs. They may also be ad hoc task forces.

Each committee includes as members persons representing administrative offices within the University appointed by the Council upon consultation with the respective administrative officers. Leslie P. Greenhill, director of the Division of Instructional Services, will chair the Academic Services Committee, and Dr. Eugene R. Melander, assistant vice president for undergraduate studies, will head the Academic and Curricular Affairs Committee.

Generally, each committee participates in the development of recommendations to the Council regarding administrative policies and procedures relating to its areas

of responsibility and assists the Council in coordination and implementation. Each committee serves as a forum for administrative units to introduce, discuss and clarify operational issues and concerns. Committees may meet individually, in combination with each other, or in joint with the Administrative Council on Undergraduate Instruction, as determined by the Council, depending on the nature of the agenda items under consideration.

Membership of the new Council will include an associate or assistant dean dealing with undergraduate instruction from each of the ten colleges, Behrend College, and Capitol Campus; assistant dean of the Graduate School; associate dean of Academic Instruction for Commonwealth Campuses; director of the Division of Undergraduate Studies; director of the Division of Admissions, Records and Scheduling; the assistant vice presidents for academic services and for undergraduate studies; and the vice president for Continuing Education (or his designate).

The Council will maintain administrative liaison with five committees of the University Faculty Senate: Academic Admis-

sions Standards, Academic Affairs, Academic and Athletic Standards, Awards and Scholarships, Curricular Affairs and Intra-University Relations. Where legislative authorities of the University Faculty Senate have been delegated to faculty organizations of individual colleges or campuses, the Administrative Council on Undergraduate Instruction will also maintain liaison with these organizations.

The Committee on Academic Services as an agency of the Council will be concerned with matters relating to University administrative policies and procedures to accomplish the admission, enrollment, registration, transfer, program audit and graduation of degree students, the scheduling of resident education courses and the provision of instructional services to resident education faculties.

The Committee on Academic and Curricular Affairs as an agency of the Council will have as its concern University administrative policies and procedures related to the review and implementation of the curriculum, advising, and academic affairs of undergraduate education.

U. Council considers confidentiality

Records maintained in the Department of University Safety at the University are records of incidents, not of people, David E. Stormer, director, told University Council last week.

He was one of three administrators invited to meet with Council as it continues its discussion of confidentiality of records and also the matter of how student records may be affected by the Buckley amendment.

Also attending the meeting were Ralph E. Zilly, vice-president for business, and Dr. N. J. Palladino, dean of the College of Engineering.

Stormer told the Council that since people nearly always are related to incidents, the Department maintains an index card file of names that appear in incident reports, including both persons reporting or witnessing incidents, as well as those who may be responsible for the incidents, and the file number of the incident report is entered on the index card.

He said that in the case of students, a synopsis of the incident as an act of misconduct is forwarded to the office of the vice-president for student affairs, and if faculty or staff members are involved, to the office of personnel administration. Student records, it had been explained, are destroyed on graduation of the student.

The index card may be examined by the student, Mr. Stormer explained, but not the incident file, which is a confidential record.

He said the recordkeeping system in his Department is in accordance with approved procedures for University security operations. He said records in his office are viewed as law enforcement records, rather than official University records, and that it is doubtful they would be covered under the provisions of the Buckley amendment.

Dean Palladino listed records maintained on students in his office, which it was agreed are similar to those in the office

(Continued on page two)

MEM chamber presentation on Milford

Today through Sunday (Nov. 19) a documentary on the town of Milford, Pa., and its environmental problems, titled "On the Road to Dingman's Ferry," is being featured in the MEM Chamber, an unusual and distinctive method of using television, slide projectors, and quadrophonic sound to present a program.

Robert Fisher, now an instructor in art, designed the MEM Chamber, which has toured the Midwest and West, in colleges and public facilities, and was featured last week during the Surrealism Conference.

The program is being shown in the HUB ballroom, today from 10 a.m. to 10 p.m., Friday and Saturday from 10 a.m. to 11 p.m., and Sunday from noon to 7 p.m. There is no admission charge.

Sixty people can be accommodated in the carpeted room that has walls of 10

ft. by 15 ft. rear projection screens. The documentary, which Fisher produced and which Hal Fischer wrote and directed, tells of the massive environmental problems faced by the town of 1200 situated near Dingman's Ferry on the Delaware River, where Tocks Island Dam is being planned. The production is about the entire town, and virtually all the residents contributed in some way or other to it.

"Threatened by construction plans for Tocks Dam and outraged by the noise and disruption of 20,000 trucks a week going down its main street, Milford refuses to follow its neighboring communities into submission and extinction," Fischer says. "At this time, Milford exists as an example of what imagination, co-operation and self-reliance can accomplish in changing attitudes from one of pessimism to that of determination and resolve."

Calendar

Nov. 14-24, 1974

Special events

Thursday, November 14 — FSHA 410 dinner, "First-Presidential Inaugural Dinner," 5:30 p.m., Maple Room. Reservations required.

Thursday-Saturday, November 14-16 — University Theatre, "Lemon Sky," 8 p.m., Pavilion Theatre.

Friday, November 15 — Commonsplace Coffeehouse, 8 p.m., Room 102 Kern. Saturday, November 16 — Sports: Football vs. Ohio University, 1:30 p.m.; Brassery Stadium, Band Day.

Sunday, November 17 — Sports: Cross Country, Eastern USTFF Championships, White golf course, 10:45 a.m.

Seminars

Thursday, November 14 — Chemistry, 12:45 p.m., Room 333 Whitmore. Stuart A. Rice, University of Chicago.

Thursday, November 14 — Microbiology, 4 p.m., Room 52 Fear, Gerald R. Fink on "The Integration of Amino Acid Biosynthesis into the Cell Cycle of Yeast."

Thursday, November 14 — Agronomy, 3:45 p.m., Room 301 Ag. Administration, Dr. Henry Fortmann, Agr. Exp. Sta., on "Agronomic Regional Research of the Northeast."

Thursday, November 14 — Statistics, 4 p.m., Room 75 Willard, A. M. Gross, Bell Laboratories, Murray Hill, N.J., on "Confidence Interval Robustness with Long-Tailed Symmetric Distributions."

Thursday, November 14 — Astronomy, 2:30 p.m., Room 445 Davey Lab. Sabatino Sofia (U. of South Florida, U. of Rochester), on "Gamma Ray Bursts: Are They Matter-Antimatter Events?"

Thursday, November 14 — Nuclear Engineering, 4 p.m., Breazeale Nuclear Reactor, Dr. Edgar F. Bennett, Argonne National Laboratory, Applied Physics Division, on "Neutron Spectrometry."

Thursday, November 14 — Meteorology, 3:55 p.m., Room 26 Mineral Sciences. Lloyd Todd Crawford, Savannah River Laboratory, Aiken, South Carolina, on "Mesoscale Research at the Savannah River Laboratory."

Friday, November 15 — Engineering Acoustics, 4 p.m., Room 382 Willard, Dr. J. Sliard, Loughborough University, England, on "Ultrasound Research at Loughborough University."

Friday, November 15 — Ceramic Science, 3 p.m., Room 301 Mineral Industries. Dr. P. H. Hasselman, Lehigh University, on "Fracture and Thermal Shock."

Meetings

Thursday, November 14 — A.A.U.P., collective bargaining discussion, 11:45 a.m.-1:45 p.m., dining room C, HUB. All faculty.

Friday, November 15 — Board of Trustees, 2 p.m., Room 403 J. Keller Bldg. (Limited seating for public.)

Lectures

Thursday, November 14 — Dr. John Wiltall, education, on "Possible Strategies for Improving Instruction and Learning," 7:30 p.m., Room 101 Kern. Sponsored by graduate students in art education.

Films

Friday-Sunday, November 15-17 — South Hill "Sleeper," 7:30 and 9:30 p.m., Redler D.

Official

Friday, November 15 — Last day for signing Emergency Loans for Fall Term. Saturday, November 16 — Classes end, 12:25 p.m.

Monday-Wednesday, November 17-19 — Final examinations.

Thursday, November 21 — Residence Halls close for Fall Term, 3 p.m.

Saturday, November 30 — Commencement, 10:30 a.m., Rec Hall.

RESEARCH AIDE (BIOCHEMISTRY), COLLEGE OF SCIENCE — University Park

Prepare and isolate heavy meromyosin from various tissue sources and test for its ability to distinguish between normal and malignant tissue. Systematically test traditional and non-traditional methods of cell dissociations for their applicability to specific tissues. Prepare antibody to heavy meromyosin. Test antibodies with fluorescent dye, noting degree of fluorescence with combination of normal and malignant tissue. Develop a rapid, simple, and sensitive technique for preparing cell suspensions from surgical specimens. Bachelor's degree in Biochemistry, Chemistry or its equivalent. Minimum 2 years experience in laboratory plus two to four years effective experience in position.

PENN STATE intercom

Volume 4, Number 12

November 21, 1974

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

News in brief

KERN CAFETERIA

The cafeteria in Kern Graduate Bldg. will be open during the term break Monday through Friday, 7:30 a.m. to 5 p.m., with the exception of Thanksgiving Day, when it will be closed entirely.

WHO'S WHO

The 1974-75 "Who's Who Among Students in American Universities and Colleges" will contain the names of fifty Penn State student leaders when it is published in the near future.

INN FOOD SERVICE

The Nittany Lion Inn food service will be closed completely on Thanksgiving Day, Nov. 28, but will resume full service Nov. 29.

WINE CONFERENCE

The seventh annual Pennsylvania Wine Conference will be held Dec. 5 and 6 at the J. O. Keller Conference Center. One feature of the event will be a wine tasting session before the annual banquet. The variety of problems faced by wine growers may be suggested by the topics to be discussed during the Conference: protein stability in wines; mechanical harvesting of grapes; establishment of prices for wine grapes; the legal and practical aspects of bird control in vineyards; grape insect pests; weed control in the vineyard; sampling grape vines for plant analysis; characteristics of ideal vineyard soil; and the desiccation of white wines. The Extension Service and Experiment Station of the College of Agriculture are cooperating with the Pennsylvania Grape Council and Pa. Dept. of Agriculture in the conference.

OGONTZ DESIGN AWARD

The Pennsylvania Society of Architects presented a distinguished building award to

the architectural firm of Dagitt/Saylor, of Philadelphia, for its design of the Ogontz Campus physical education building. The citation was given for the building's "structural tour de force, expressive monolithic concrete walls, and the steel trusses supporting the roof." The jury also commented on the building's "machine-like precision and handsome elevations." The building was completed in January of this year.

WISE SELECTED

University Trustee, Dr. Helen Wise, has been appointed by Gov. Shapp to the Education Commission of the States. She has recently stepped down as president of the National Education Association.

FRIENDS OF ART MUSEUM

The Friends of the Museum of Art (at University Park) is currently in the midst of a membership drive. Formally chartered earlier in the year, the organization rose from a group that has supported the Museum since it opened in 1972. The membership is already more than 150. Its principal purpose is to provide overall support of the Museum and its programs. A brochure giving more details on membership may be obtained from the Museum of Art, University Park, Pa. 16802, telephone 814-863-0111.

HUB ARCHITECTURE EXHIBIT

Buildings, interior decorations, and town planning designs by the noted Finnish architect, Alvar Aalto, are shown in a photographic exhibit which has opened in the HUB lounge and will continue on display until Dec. 15.

A Smithsonian Institution Traveling Exhibition Service display, the panels of photos show briefly ten of the architect's buildings, 32 panels show eleven structures in detail, one panel demonstrates his ideas in furniture and light fixture design, and the final panel shows a town plan.

CROSS COUNTRY

Among the faculty who competed in the cross country races at the White Golf Course last Sunday were Dr. Herschel Leibowitz, professor of psychology; Dr. Truman V. Hersherberger, associate professor of animal nutrition; Dr. G. P. Glyde, assistant professor of economics and human resources; and George A. Etzweiler, associate professor of electrical engineering. They competed in the Master's Division in the U.S. Track and Field Federation championships, in which a staff member, Dave Colton, of the Penn State Office of Gifts and Endowments, won the 40-49 age division race. Glyde was second in the total Master's field.

COTTON BOWL TICKETS

Faculty and staff members may purchase tickets for the January 1 Cotton Bowl game between Penn State and yet-to-be determined opponent at half price — for themselves. Any other tickets they wish to purchase will be priced at \$10 and \$6, depending on the location of the seat.

Tickets are on sale now at the Rec Hall Ticket Office (Room 237). Some proof of University employment will be required to obtain the half price privilege. Students may also purchase tickets at half price by presenting their current I.D. card.

If ordering tickets by mail, add 50 cents for postage and handling.

ARTISTS SERIES

The next program in the Artists Series will be performances Saturday, Dec. 7, of "Don Juan in Hell," the G. B. Shaw third act of "Man and Superman."

While the evening performance of the play has been sold out to series ticket buyers, the afternoon tickets will go on sale Tuesday, Dec. 3, at 9 a.m. at the HUB and University Auditorium. The matinee

(Continued on page two)

Calendar

Nov. 21-Dec. 5, 1974

Special Events

Saturday, November 30 — Fall Term Commencement, 10:30 a.m., Rec Hall.

Friday-Saturday, December 6-7 — Sports: Second annual Penn State Invitational Wrestling Tournament, Rec Hall, Friday at 8 p.m., Saturday at 2 and 8 p.m. Saturday, Penn State Swimming and Diving Relay Championships, Natatorium, starting at 8:30 a.m.

Seminars

Thursday, December 5 — Microbiology, 4 p.m., Room S2 Frear. James P. Rolls on "The Use of Carbon-13 NMR Spectroscopy and ¹⁴C-Enriched Precursors in Biosynthetic Studies."

Thursday, December 5 — Meteorology, 3:55 p.m., Room 26 Mineral Sciences. Dr. Alfred K. Blackadar on "A Simple Model of the Atmospheric Planetary Boundary Layer."

Film

Thursday-Saturday, December 5-7 — West Halls, Waring Cinema, "The Ruling Class," 7:30 and 10 p.m.

Official

Thursday, November 21 — Residence Halls close for Fall Term, 3 p.m.

Sunday, December 1 — Residence Halls open for all students.

Tuesday-Wednesday, December 3-4 — Registration.

Meeting

Faculty Senate meeting changed from December 3 to December 10.

Exhibits

Museum of Art — Living American Artists and the Figure, Galleries A and C, Twentieth Century Master Painters, Gallery B.

Cultural Center, Walnut Building — "The Black Presence in the Era of the American Revolution, 1770-1800," a Smithsonian Traveling Exhibit, through December 1.

The exhibit of Surrealist art in the Zoller Gallery, scheduled originally to conclude Nov. 23, has been concluded (Nov. 19).

Chambers Gallery — David Don Tigney, ceramics, and George Zorelich, paintings, opening December 2.

HUB Main Lounge — Photographic exhibit of major building, interior decorating, and planning designs of Finnish architect, Alvar Aalto (traveling Smithsonian exhibit).

WPSX highlights

Saturday, Nov. 23 — Film, "The Tempest," with Greta Garbo (1929), 10 p.m.

Sunday, Nov. 24 — Film, "Flash and the Devil," with Garbo and John Gilbert (1927), 6 p.m.

Monday, Nov. 25 — The Preservation Hall Jazz Band (in performance at Wolf Trap), 8 p.m.

Monday, Nov. 25 — "The Changing Family," with faculty members Helen Maahl, Graham Speller, and Gerard Gueney, 10 p.m. Also Tuesday, Nov. 26, at 3 p.m. and Saturday, Nov. 30, at 1:30 p.m.

Thursday, Nov. 28 — Soul group Gladys Knight and the Pips, 9 p.m.

Library space

Members of the faculty who wish to obtain "Study Space Assignments" in Pattee Library for the Winter Term should note that the assignments will be made on a first-come, first served basis Monday, Dec. 2, beginning at 8 a.m. in Room 106 Central Pattee. There are only 48 such spaces. Further questions should be directed to Cordelia Swinton, 865-5420.

Senate Report

Proposed changes in the bylaws and standing rules of the University Faculty Senate center on four areas:

1. Election of Senate officers.
2. Development of a Senate Advisory Committee to the President.

3. Redefinition of responsibilities of the Senate Council.
4. Redefinition of responsibilities of the Senate Committee on Committees and Rules.

The changes, developed by a subcommittee of the Committee on Committees and Rules in accordance with recommendations on faculty participation in University governance, will be acted on at the Dec. 10 Senate meeting.

"Through these proposed amendments," said Dr. Robert S. Friedman, subcommittee chairman, "we hope to make the Senate more effective in its internal operations and in representing the entire faculty."

"The subcommittee tried to remain true to the six recommendations concerning Senate operation in the Governance Committee report and tried to respond to the main thrust of these recommendations."

The subcommittee's proposal on Senate officers calls for election of a chairman-elect, who, after a year of studying the issues facing the Senate chairman, would serve a one-year term as chairman and another as past-chairman. It also proposes

that during the year a senator serves as chairman and upon completion of the cycle from chairman-elect to past-chairman, the individual should be given some free time.

"We felt that by having a three-year cycle for Senate leadership," Dr. Friedman said, "that we could provide a more effective group of people to represent the faculty and deal with the administration of the University. We also know it's hard to get people to make this kind of commitment and that's why we encourage re-election time."

The proposed Senate Advisory Committee to the President would be made up of the four Senate officers and three elected faculty senators. Noting that the Senate Council has served as a general advisory group to the president and the provost, the subcommittee said the size of that group and the manner of its selection "may have impeded it in its consulting role."

Dr. Friedman said the subcommittee felt that a group which would advise and consult with the president would be more effective if they were smaller.

"We agreed that the advisory group should include the Senate officers and felt that by having three faculty members elected from the Senate we would get a responsive body. Electing them to

The information below is provided by the Office of the University Faculty Senate, and inquiries regarding this report may be addressed to the Executive Secretary of the Senate, Room 204 Willard, 863-0221.

a three-year term also will enable them to get a feel for the position."

While the Senate Council would no longer serve in an advisory role to the president under the proposals, it would continue to be an advisory group to the Senate officers. It would serve as a coordinator of legislation from Senate committees and would continue to meet with the president and provost in developing the Senate's agenda and program.

It also is recommended that the Senate Council no longer perform the role of nominating to the administration of the University candidates for various University-wide committees. This function would be shifted to the Committee on Committees and Rules.

"The Committee on Committees and Rules," Dr. Friedman said, "presently nominates senators for various committees and appointments in the Senate, and we felt it would be the logical group to make University-wide nominations."

Under the proposals, the Committee on Committees and Rules also would serve a "watchdog" function "to make certain that decisions of the Senate conform to the rules and procedures of that body."

Because of the committee's added responsibilities, it is recommended that members be elected to two-year staggered terms by the entire Senate.

Heart Risk Screening Exam

Some openings remain for examinations in the afternoons of Nov. 25 and 26 in the Heart Risk Screening Program (morning schedules are rather well filled).

These examinations are conducted by the Central Pennsylvania Heart Association, and for a modest donation of \$3 an examination is made that includes blood pressure, cholesterol level, blood sugar, skin fold, height and weight. Combined with information on medical history, heredity, smoking habits, and exercise, a profile is made which suggests the relative risk of heart trouble. A similar examination and data summary obtained privately would cost considerably more than the donation being suggested by the Association.

The examinations, given by appointment, will be made Nov. 25 and 26 in Room 301A Agricultural Administration Building (corner of Shortridge and Curtin Roads). The afternoon hours are 1-5 p.m.

Appointments may be made by calling 238-1301. This schedule is intended primarily for faculty and staff members, although it is not restricted to them.

Can save money, aid planning

Soil testing for homeowners urged now

From Robert J. Thomas, supervisor of the Soil and Forage Testing Laboratory, comes the suggestion that this is a good time of the year to have garden or lawn soil analyzed.

"Sampling now," points out Thomas, "will enable you to plan your soil management program for the spring of 1975. You may be able to buy fertilizer at discount prices during the winter."

There are some signs, also, that fertilizer may be hard to get in the spring.

A soil test tells what to buy, and in what quantities to apply it. Few home owners really know the correct kinds of fertilizers to use for their soil conditions,

because it can't be done by guess work. A soil test is necessary, to prevent applying the wrong fertilizer or applying too much or too little.

The Soil Testing Service is available at the Merkle Laboratory at University Park from 8 a.m. to noon and 12-3:30 p.m. A complete report, including chemical analysis plus lime and fertilizer recommendations, will be provided for a fee of only \$3 per sample. At the University Park campus, you can get sampling instructions and a container for the sample at the Merkle Lab (north of Beaver Stadium). Staff members at Commonwealth Campuses may get kits at their County Agricultural Agent Offices (see the Yellow pages.)

Agriculture organizes to seek research aid

The nation's land-grant universities have launched an all-out effort to get more support for agricultural research programs.

The organized effort is tied to the centennial year of the first state agricultural experiment station opened in New Haven, Connecticut, in 1875. And it comes at a time when agricultural problems and world food supplies are front page news.

"There's no better time to seek support for the research efforts we consider vital to the nation's future," said Dr. James M. Beattie, Dean of the College of Agriculture and Director of the Agricultural Experiment Station.

The effort doesn't lack support. Its backbone is an Experiment Station National Communications Committee made up of editors, broadcasters and commentators from every agricultural experiment station in all 50 states, Guam, and Puerto Rico.

It has the blessing of the Experiment Station Committee on Policy (ESCOMP), the policy-makers for the agricultural experiment station system — the world's largest

agricultural research organization with over 10,000 scientists. Present chairman of ESCOMP is Dr. Walter L. Thomas, associate director of Penn State's station.

"As big as the system is, most people don't know about the contributions these scientists are making to solve world food problems and the energy crisis," Dr. Beattie observed.

"Ironically, success is part of our problem. Our research has helped make American farmers so efficient that relatively few farmers produce this nation's food and fiber. Only 5 per cent of the people in the U.S. are actively involved in producing agricultural goods, compared to over 50 per cent in Asia, Africa, and Latin America."

"That means we can't count on support only from farmers, and have had to turn more and more to the non-farm segment. With rising prices, and food shortages in some cases, we've found that audience very attentive. Consumers are beginning to realize that investments in agricultural research may be their best possible insurance of future food supplies."

To individuals with potential for a career in independent research institutions may apply for awards on behalf of faculty with three or more years of relevant postdoctoral experience. Nominees must not be more than 10 years beyond the last health professional doctoral degree. The support period is limited to 5 years. May 1 and Sept. 1, 1975 are the next two proposal deadlines. (Ref. NIH Guide Announcement, 11/17/74).

(156-4) Graduate research fellowships for undergraduates are invited to submit proposals for awards of up to \$1,000 for research in broadcasting. Sponsored by the National Association of Broadcasters (NAB), this research should relate to the social, cultural, political, and economic aspects of American commercial broadcasting. Research projects concerned with radio are particularly encouraged. The current research proposals may pertain to either basic or applied problems, and methodological development and model-building research will be welcomed. Proposals must be received by Jan. 1, 1975. For application forms write to: Mr. John A. Dimling, Jr., Vice President, Director of Research, NAB, 1771 N. Dixie, N.W., Washington, D.C. 20006. (202-865-2575).

(156-5) Systematic collections, centers for stocking research plants and animals, and field station facilities that constitute a national resource for the research community may find support through the Biological Research Resources Program funded by the National Science Foundation (NSF). For further information call William E. Sievers, Program Director, Ecology and Systematic Biology Section, Div. of Biological Resources, NSF (202-632-5846). (Ref. NSF Bull., Nov. 24).

(156-6) Ohio awards the following teaching program in competitive arts and graduate teaching assistantships and scholarships. Stipends for the associate awards range from \$2400 to \$4000 for three quarters; scholarships cover tuition and fees. For information write to Robert Weisman, Chairman, Dept. of Comparative Arts, Ohio University, Athens, Ohio 45701. (Ref. Announcement).

(156-7) Eighty NSF Faculty Fellowships

NEWS—

(Continued from page one)

begins at 3 p.m.; the evening performance at 8:30 p.m.

An all-star group of Myrna Loy, Ricardo Montalban, Edward Muhare, and Kurt Kasner will present the work, which draws its characters from the Mozart opera, "Don Giovanni."

The Charlie Chaplin and Ingmar Bergman series will resume in mid-December. CAPITOL PLAY

Students at Capitol Campus, members of the drama club, will perform a two-act tragic-comedy drama, "The Disintegration of James Cherry," Friday and Saturday, Nov. 22 and 23, at 8 p.m. in the auditorium of the main building. "The Strolling Muggers" drama club is sponsor of the production, which involves a cast of 17.

SPEAKER AVAILABLE

The Assistant Secretary of Commerce for Science and Technology in the U.S. Department of Commerce, Dr. Betsy Ancker-Johnson, is available to speak on college campuses, on a variety of subjects ranging from the energy problem to the impact of technology-transfer abroad on America's balance of payments. Now the highest ranking woman in the federal research and development area, she is responsible for the activities of six separate agencies in the science and technology field. She is a physicist by profession, with a Ph.D. in physics from Tuebingen University, Germany, in 1953. Department members interested in considering her as a speaker may obtain more information from the editor of INTERCOM, 312 Old Main, 865-7517.

Some people know how much agricultural research has contributed to a continuous, healthy food supply. But many are surprised to find out that experiment station scientists are also responsible for discovering vitamins (Connecticut and Wisconsin), and the antibiotics streptomycin (New Jersey) and aureomycin (Missouri).

Improved animal breeds, crop varieties, new uses and concepts — to mention a few developments — have given Americans the highest standard of living in the world. Dr. Beattie pointed out. He said a description of research achievements at Penn State, published under the title of "Impacts of Agricultural Research," will be issued in 1975.

"While we're proud of accomplishments, we know that too many people are still going hungry. If agriculture is to feed these people and all the billions expected in the future, we must have financial and moral support for agricultural research as an investment in developing and conserving energy," he affirmed.

will be awarded April 1975 to "help teachers broaden their perspectives in the applications of science to social problems of U.S. citizens or nationals with five or more years of full time teaching experience in science, math, or engineering at universities, colleges, and junior and community colleges, and who hold a baccalaureate degree, are eligible and may apply before Jan. 7, 1975. Faculty fellowships must be used within nine to nine and one-half months and salary paid during the preceding year. Travel is paid by an institutional allowance to meet tuition and other costs. Application forms can be obtained from the Faculty Fellowship in Science, NSF, Division of Higher Education in Science, NSF, Washington, D.C. 20550.

(156-8) Under its new Senior Foreign Entry Scholars Program, the National Science Foundation (NSF) is seeking distinguished foreign scientists to come to the U.S. to help increase the scope and depth of energy-related research, development, and educational activities. The maximum award is \$25,000 for up to 12 months. The proposal deadline is January 15, 1975 with an April awards date. (Program contact, DOE-202-7593). (Ref. NSF Memo 11/12/74, E75-38).

REMINERS AND DEADLINE DATES

Dec. 1 for cooperative Education Programs (Oct. 10 INTERCOM #155-9) . . . Dec. 1 for USA Bicentennial Student Film Making Program (Nov. 14 INTERCOM #155-2) . . . Dec. 10 (announced) for NSF Research Program in Localized Education (Oct. 24 INTERCOM #152-4) . . . Dec. 13 for NSF Instructional Scientific Equipment Program (Oct. 17 INTERCOM #151-1) . . . Dec. 19 for NSF National Research for Graduate Teaching Assistantships (Oct. 14 INTERCOM #155-3) . . . Dec. 20 (per questionnaire) for NEA Visual Arts Program (Oct. 31 INTERCOM #152-2) . . . Jan. 1 for Ford Foundation Research on the Energy and East-West Program (Nov. 10 INTERCOM #154-1) . . . Jan. 6 for OE Field-Initiated Studies (Oct. 24 INTERCOM #152-2) . . . Jan. 6 (extended) for NSF Energy-Related Graduate Traineeships (Oct. 17 INTERCOM #151-4)

Deaths

Lois F. Mark, instructor of elementary education at Capitol Campus, died of October 21. She was 47. A 1948 graduate of West Chester State College, she obtained a Master of Education degree from Temple University in 1956. She taught in Philadelphia elementary schools from 1946 to 1968 and was a team leader in a program at Temple University in 1967-68. She joined the Penn State faculty in 1969, after having served as a cooperating teacher for the University in 1962-67.

Carl T. Kendall, assistant professor of microbiology in Continuing Education at Schuylkill Campus, died November 1. He had taught anatomy, physiology and microbiology in the program for diploma schools of nursing since 1963. He obtained both B.S. and M.S. degrees from Indiana State College at Terre Haute, and had previously taught at Bloomsburg State College and had been employed by various pharmaceutical companies.

Staff vacancies

University faculty or staff members who are interested in any of the staff exempt or staff non-exempt jobs listed below may apply by filling out and mailing a resume to: Mr. Lyle 445 (156-7). Do not contact the area having the vacancy. Applications will be accepted until 5 p.m.

FRIDAY, NOVEMBER 22, 1974
DIRECTOR, AGRICULTURAL COMMUNICATIONS, COLLEGE OF AGRICULTURE — University Park
Administrator total program of agricultural communications for College of Agriculture. Includes all forms of mass media (press, publications, radio, television and visual aids) and provides technical advice and assistance on research and teaching functions in cooperation with Department of Agricultural Education. Evaluate agricultural communications programs. Research and evaluate budgets, personnel, professional improvements, media programs, production costs, etc. Review all media projects and activities and summarize and report to appropriate disciplines. No degree or equivalent in Agricultural Journalism or Agricultural Communications; Ph.D. preferred. Twelve to fourteen years experience with mass media of agricultural communication primarily in an educational institution, industrial, and commercial media. Administrative experience in communications and public relations is preferable.

PROGRAM ASSISTANT, GRADUATE SCHOOL — University Park
Responsible to the Dean of Graduate School for implementing procedures to insure the most functioning of the divisions of the Graduate School. Two years of college or equivalent plus four to eight years administrative experience. Knowledge of University organizational structure is highly desirable. Ability to implement sound present practices essential.

PROGRAMMER TRAINEE, OFFICE OF GUNNET AND PLANNING — University Park
Responsible to the Senior Programmer or Systems Planning Specialist for programming assistance and general project support in areas where work is being done. Tasks include: prepare all levels of block diagrams and machine logic flow charts; assist in preparing test data and testing and debugging programs; and support the Senior Programmer in the development of systems development and modification. Bachelor's degree or equivalent, plus at least six months to one year of data processing experience as required.

GRAPHIC ARTIST, UNIVERSITY DIVISION OF INSTRUCTIONAL SERVICES — University Park
Prepare art work in the form of graphs, charts, illustrations, displays and technical drawings to be used as slides, flipcharts, TV, overhead transparencies, etc. for use primarily in the instruction of students. Associate degree or equivalent in a two year college program or its affiliate or equivalent. Knowledge of television techniques and audiovisual aids is helpful.

MANAGER, RESIDUAL AFFAIRS — Harrisburg
Responsible for cost control, billing, acquiring third party reimbursement. A Bachelor's degree or equivalent in Business Administration with a minor in Accounting, plus broad working knowledge of the insurance industry, emphasis on financial systems and third party reimbursements, equal to six to seven years of related experience.

UNDERGRADUATE STUDENT ASSISTANT, COLLEGE OF EDUCATION — University Park
Responsible for the planning and management of an undergraduate Studies Academic Institute Center within the College of Education. Provide professional advising assistance to the Division of Undergraduate Studies during registration and pre-registration counseling program. Assist in the development of student's career and education discipline. Advising experience demonstrated knowledge about the academic programs and opportunities of the College of Education highly desirable.

In addition to the above vacancies, there are positions that frequently are available because of the mobility of our staff. These are listed below and will not be listed on an individual basis. Application for such positions may be made by mail to the Personnel Office for further consideration when vacancies occur. These positions are:

Reading Hall Coordinator, Student Affairs Assistant Coordinator, Student Affairs

THE UNIVERSITY IS AN EQUAL OPPORTUNITY EMPLOYER

Funding Opportunities

For procedural and funding source information, call 865-1372.

November 21, 1974

(156-1) To improve access to use of scientific and information, NSF's Office of Science Information Service (OSIS) has established three priority areas: research studies to improve management of U.S. scientific and technical information sources; experimental projects to provide assured, cost-effective access to scientific information; and operational activities to promote information use among scientists, engineers, and others. Seventeen new future planning grants have been announced including: measurement of benefits from information use, faster publication of research results, improvement of college and graduate-level awareness of scientific and technical information, promotion of on-the-job education and training of scientists and engineers, and revision of guidelines for information services management within large organizations. There are no proposal deadlines. (Ref. NSF74-39).

(156-2) The Metropolitan Life Insurance Company has announced a program of educational grants geared to create a better understanding between business and the academic world. Ten grants of up to \$15,000 will annually be offered to colleges and universities for courses designed to improve business-academic relationships, to speed communication between the two communities, and to conduct exploratory studies. Proposal deadline of Jan. 31, 1975 is anticipated with announcement of awards in April. (Ref. NYT, 11/27/74, F.R.E.).

(156-3) Salary contributions of up to \$25,000 per year will be awarded to people qualifying for the NIH Research Career Development Program. The next deadline is Jan. 2, 1975, awards will be announced June 1975.

PENN STATE intercom

Volume 4, Number 13

November 28, 1974

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

News in brief

BOARD RECOMMENDS

The State Board of Education has recommended an appropriation of \$105.7 million for the University, the recommendation for the consideration of the Governor in preparing his budget presentation.

COMMENCEMENT

Commencement exercises for the Fall Term will be held in Rec Hall at 10:30 a.m. Saturday, Nov. 30. Earlier, ten seniors will be given commissions in the Army, Navy, Marine Corps, and Air Force in a ceremony in the Heien Eakin Eisenhower Chapel, at 8:30 a.m.

Six men will be commissioned as second lieutenants in the U.S. Army Reserve; one as ensign, U.S. Navy Reserve; one as second lieutenant, U.S. Marine Corps; one enrolled in the Marine Corps Platoon Leader Class as a second lieutenant, U.S. Marine Corps Reserve; and

(Continued on page four)

JGE features China trip essays

The reflections of those who made the "Penn State to China" trip are contained in a special issue of the Journal of General Education now available from the University Press (215 Wagner Bldg.) at \$3.00 per single copy.

Titled "Education in China," the issue contains first-hand reports of the trip by: E-Tu Zen Sun, professor of Chinese history and chairman of the East Asian Studies Program, on "Chinese Schools in a Revolutionary Century."

Parris H. Chang, associate professor of political science, on "The Cultural Revolution and Chinese Higher Education: Change and Controversy."

Jan S. Prybyla, professor of economics, on "The Life of a Chinese Professor."

Thomas F. Magner, professor of Slavic languages and associate dean for research and graduate study, College of the Liberal Arts, on "The Latin Alphabet and

the Languages of China."

Vernon V. Aspaturian, research professor of political science and director of the Slavic-Soviet Center, on "Chinese and Soviet Perceptions of One Another."

Fred Rapp, professor and chairman of the department of microbiology and associate provost and dean for health affairs, College of Medicine, on "The Pioneering Effort of the People's Republic of China in Medical Education and Medical Care."

R. G. Cunningham, vice president for research and graduate studies, on "Science and Technology Education: Mao's Priorities, Policies and Results."

Thomas Warlik, dean of the College of Science, on "Reasons for the Chinese Attitude toward Research and Education in Science."

Barbara J. Smith, senior assistant librarian, Pattee Library, on "Reference Tools for the Study of Modern China."

Calendar

NOV. 28 to DEC. 7, 1974

Special events

Thursday, Nov. 28 — Thanksgiving Day, offices closed. Teakast of Penn State-Pitt football game, 9 p.m., ABC.

Friday-Saturday, Nov. 29-30 — Penn State Open Fencing tournament, Rec Hall.

Saturday, Nov. 30 — Commencement, 10:30 a.m., Rec Hall.

Monday, Dec. 2 — New students arrive. Orientation and advising begin. Registration Tuesday and Wednesday, Dec. 3-4.

Thursday, Dec. 5 — Classes begin, 8 a.m.

Friday-Saturday, Dec. 6-7 — Penn State Invitational Wrestling Tournament, 8 p.m. Friday, 2 and 8 p.m. Saturday.

Saturday, Dec. 7 — Artists Series, "Don Juan in Hell," by G. B. Shaw, with Myrna Loy, Ricardo Montalban, Kurt Kasznir, and Edward Mulhare, 3 p.m. and 8:30 p.m., University Auditorium.

Saturday, Dec. 7 — Penn State Swimming Relays, beginning at 8:30 a.m., Natarium.

Seminars

Thursday, December 5 — Microbiology, 4 p.m., Room 52 Frear. James P. Rolls on "The Use of Carbon-13 NMR Spectroscopy and ¹⁵C-Enriched Precursors in Biosynthetic Studies."

Thursday, December 5 — Meteorology, 3:55 p.m., Room 26 Mineral Sciences. Dr. Alfred K. Blackadar on "A Simple Model of the Atmospheric Planetary Boundary Layer."

Exhibits

Museum of Art — Living American Artists and the Figure, Galleries A and C through Dec. 22. Gallery B, selections from the permanent collection.

Chambers Gallery — Ceramics by David DonTigny and paintings by George Zoretich, opening Dec. 2.

HUB Main Lounge — Architectural works of Finnish architect Alvar Aalto.

Ombudsman's role to be made clear to faculty

What is an ombudsman? What can he do for the individual faculty member?

In an effort to answer these and other related questions, elected ombudsmen at the University will take steps to inform faculty concerning their role.

At a meeting of ombudsmen and their alternates at University Park, it was decided to recommend to all ombudsmen that they explain their role and outline procedures at college and campus faculty meetings.

"We want to make more of an effort to keep the faculty better informed on what's going on in this area," said Dwight E. Younklin, meeting chairman.

"If a faculty member has something really bothering him that involves the administration or another faculty member and doesn't want to take it to that individual directly, he should talk it over with his ombudsman and see what can be done."

"There is some feeling that the faculty in general doesn't understand the role of the ombudsman. It's one in which they can talk to him about any type of misunderstanding or grievance and he then will try to help the individual reconcile the difference."

Ombudsmen for each college and campus of the University were appointed under procedures for faculty rights and responsibilities approved in May, 1973, by the University Faculty Senate.

Younklin said the ombudsmen decided they now operate because "they offer flexibility for the ombudsman to deal with any type of problem at the local level."

According to the guidelines, functions for the ombudsman are:

- 1) Clarification of misunderstanding;
- 2) Advising faculty and administrators as to appropriate courses of action;
- 3) Assisting in the informal resolution of differences;
- 4) Assuring that appropriate department, college and/or campus procedures are exhausted before referring the case to higher levels;
- 5) Informing the University Provost's office and appropriate college or campus officials if a matter cannot be resolved at the lower level and the case is to be referred to the Commit-

tee on Faculty Rights and Responsibilities.

The guidelines specify that the ombudsman shall not:

- 1) Hold hearings;
- 2) Exceed the role of conciliator and advise;
- 3) Substitute his or her judgment for that of appropriate administrative and/or faculty bodies;
- 4) Serve as counsel for either party to a complaint before the hearing board.

The Rights and Responsibilities Subcommittee of the Faculty Affairs Committee is to serve as the coordinating group for the ombudsmen. The ombudsman requests the subcommittee to call two meetings during the next calendar year.

OMBUDSMEN AND ALTERNATES

COMMONWEALTH CAMPUSES

Allentown Campus — Jane Schooley (Ombudsman); Peter Behrens (Alternate)

Altoona Campus — Valerie Sirelton (Ombudsman); Albert Carney (Alternate)

Beaver Campus — Raymond Lunney (Ombudsman); Leo Takahashi (Alternate)

Behrend College — Ernst Weckesser (Ombudsman); Norman Patterson (Alternate)

Berks Campus — Russell A. Read (Ombudsman); Arthur R. Hill (Alternate)

Capitol Campus — Roger A. Saylor (Ombudsman); Lloyd W. Woodruff (Alternate)

Delaware County Campus — Edward S. J. Tomczko (Ombudsman); Hilda F. Duncan (Alternate)

Outdo Campus — Marie U. Fox (Ombudsman); Samuel A. King (Alternate)

Fayette Campus — David R. Anderson (Ombudsman); Evelyn Hovance (Alternate)

Hazleton Campus — M. Leonard Sheoval (Ombudsman); James J. Conaghan (Alternate)

McKeesport Campus — Nicholas Gavrilis (Ombudsman); Robert Hauser and Richard Reynolds (Alternates)

Mont Alto Campus — Duane L. Thomas (Ombudsman)

New Kensington Campus — Robert E. Canahan (Ombudsman); Marshall Wilcher (Alternate)

Opotz Campus — Robert A. Bernoff, Muelen C. Mills and Ingeborg Schuster (Ombudsmen)

Schuykill Campus — James W. Geach, Robert J. Purdy and Ronald Dietz (Ombudsmen)

Shenango Valley Campus — Thadd Praetzer (Ombudsman); Fredrick Leeds (Alternate)

Wilkes-Barre Campus — Robert L. Sabatino (Ombudsman); Walter A. Sowa (Alternate)

Worthington Scranton Campus — Austin D. Hall (Ombudsman); Robert S. Hyde (Alternate)

York Campus — Leonard J. Berkowitz (Ombudsman); Bruce S. Babcock (Alternate)

Milton S. Hershay Medical Center — Robert Greer (Ombudsman); William Graham (Alternate)

King of Prussia Graduate Center — Richard Lorens (Ombudsman); Margaret Geitzer (Alternate)

COLLEGES

Agriculture — Frank Anthony, 113 Armsby Bldg. (Ombudsman); Donald Crider, 205B Weaver (Alternate)

Arts and Architecture — George Zoretich, 302 Visual Arts (Ombudsman); George Guewman, 103 Arts Bldg. (Alternate)

Business Administration — John J. Coyle, 509L Business Adm. (Ombudsman); Arthur L. Williams, 539F Business Adm. (Alternate)

Earth and Mineral Sciences — Frank Ochline, 221 Mineral Science (Ombudsman)

Education — John Withall, 220 Social Sciences (Ombudsman); Yur Chomicki, 272 Chambers (Alternate)

Engineering — Arnold Adelman, Applied Science Bldg. (Ombudsman); George J. McMurtry, 228 Elec. Eng. West (Alternate)

Health, Phys. Ed., and Recreation — Tom Tall, 270 Recreation Bldg. (Ombudsman); John Doolittle, 103 Recreation Bldg. (Alternate)

Human Development — Charles Taylor, 5102 Human Development (Ombudsman)

Liberal Arts — Robert W. Green, 812 Liberal Arts (Ombudsman); Henry Kaskas, 8161 Burrows (Alternate)

Science — Paul H. Cullis, 330 Ovey Lab (Ombudsman); Geo. M. Rosenbilit, 128B Ovey Lab (Alternate)

Library — Ronald Filippelli, W342 Pattee (Ombudsman); Cordella Swinton, C105 Pattee (Alternate)

Western campuses have symposium

The first Western Commonwealth Campuses Symposium for Regional Development will be held on December 4, at the Howard Johnson's Motor Inn in Monroeville.

The program is designed to provide closer unity among the campuses and provide a forum for academic enrichment and scholarly activity.

Three sessions will be held in the afternoon portion of the program, and during each session presentations will be made by faculty and staff members of the University family on topics dealing with teaching skills, academic disciplines, and University governance.

The climax of the evening will be a dinner address by President Oswald.

The program is being sponsored by the Council of Associate Deans for Academic Affairs and Assistant Directors for Resident Instruction.

Anthony J. Meta, assistant director at the Beaver Campus, is the general chairman for the program and Joseph F. Douglas, associate dean for Academic Instruction for Commonwealth Campuses, is co-chairman. Campuses participating in the Symposium are: Altoona, Beaver, DuBois, Fayette, McKeesport, New Kensington, and Shenango Valley.

Capitol and U.P. in joint program

A cooperative graduate program, designed to provide training for school administrators in the Harrisburg area, will be offered beginning in the Winter Term.

The program, which will require no additional University resources, will be offered jointly at University Park and at Penn State's Capitol Campus at Middletown, says Dr. Russell E. Larson, provost.

Students will be admitted to the graduate program under existing criteria and will begin their studies at the Capitol Campus. Twelve of the minimum of 30 credits required in the program can be taken at Capitol Campus.

During the summers, students will take a minimum of 18 credits at University Park. Students who wish to achieve certification

as principals may register at Capitol Campus for up to 16 of the 45 credits required by the Commonwealth.

Students enrolled in the cooperative program will be advised by faculty members at both campuses and each student will have a duplicate set of records which will be maintained at both campuses.

The graduate educational administration curriculum is not new, having been offered at the University Park Campus since 1931.

"The cooperative program," Dr. Larson said, "is, however, a new delivery package which fundamentally makes it easier for students who have interests in furthering their education to receive a well articulated graduate program in educational administration."

A gift of retiree Hans Freund

Heidegger manuscript in library

Dr. E. Hans Freund, professor emeritus of philosophy, has presented his personal copy of a manuscript by Martin Heidegger, the great German philosopher, to the Rare Books Room of Pattee Library.

The manuscript, which consists of 705 typed pages, contains the text of a series of lectures presented by Heidegger at the University of Freiburg during the winter of 1929-30. It is one of 12 copies made in one typing and is based upon word-for-word shorthand notes taken by several of Heidegger's students, including Dr. Freund, and coordinated into an exact version of Heidegger's spoken words.

In Writing

Dr. Barbara Anderson, lecturer in English, is the author of "Kierkegaard: A Fiction," published recently by the Syracuse University Press. She has recreated some of the many voices that coursed through Kierkegaard's consciousness, his life and his writings, by imagining a biography written by the women in his life — his mother, his first prostitute, his fiancée.

The author has used an unorthodox style and original focus to develop the fundamental dilemma in the life and thought of the 19th century Danish existentialist. Most of the works on Kierkegaard are concerned with his religious thought, but the author tries through fiction to allow the human dimension of his life to emerge.

Dr. Ralph F. Nielsen, professor emeritus of petroleum and natural gas engineering, is co-author of "Dynamics of Petroleum Reservoirs under Gas Injection," published recently by Gulf Publishing Co. Dr. Rafael Sandra, who received his M.S. and Ph.D. from Penn State in the middle 'sixties and who is now affiliated with the National Council for Scientific and Technological Research in Venezuela, is the other author. The book resulted from short courses taught by the authors in Venezuela, Trinidad, and Mexico.

A Japanese printing company is publishing a book by Dr. Peter B. Plaf, associate professor of floriculture, entitled "The Retail Florist Business." The book is in its second edition in the U.S. and will soon be available in Japan in three bound volumes, eight booklets to a volume.

First published in 1968, "The Retail Florist" is the only textbook of its type. It is used by most colleges and universities where floriculture is taught, as well as in vocational-technical schools with programs in floriculture.

The English version was published by the Interstate Printers and Publishers, Inc. of Danville, Ill. The Japanese reprint is being published by Hokuto Tsusho, Inc., of Tokyo.

The Japanese edition is being promoted by the Japanese Florist Transworld Delivery (JFTD) and the Japan Florists Academy of Tokyo.

Honors

Dr. Chauncey A. Morehouse, professor of physical education, will receive the Elmer B. Cottrell Award of the Pennsylvania State Association for Health, Physical Education and Recreation at the annual awards banquet December 7. This is the highest award given by the Association. He has been a member of the faculty since 1962 and holds advanced degrees from Penn State.

Dr. Arnulf Muan, professor of mineral sciences, was installed as president of the Mineralogical Society of America at its annual meeting in Miami Beach, Fla., last week.

Appointments

Dr. Frank B. Guadagnolo, as assistant professor of recreation and parks, College of Health, Physical Education and Recreation. He recently received the doctor of philosophy degree from Oregon State University. He attended Stockton Junior College and earned the bachelor of arts and master of arts degrees from Sacramento State College.

He served as administrator of city parks and recreation department and supervisor of municipal recreation services in El Cerrito, Calif., and received the town's Distinguished Citizen Award in 1972.

Robert B. Anderson, as associate professor of mining engineering. He was chief mine inspector for U.S. Steel Corp. at Gary, W.Va. He was associated with U.S. Steel at Gary for more than 20 years, serving as assistant superintendent and then superintendent for the company's No. 2 mine, and for the last three years he was chief mine inspector. He holds two bachelor of science degrees from Virginia Polytechnic Institute, one in mining and one in electrical engineering.

Dr. William R. DeTar, as associate professor of agricultural engineering at the University. His appointment is effective Dec. 1. He has been on the faculty of Western Illinois University since 1970 and previously taught at Fresno State College and at Purdue University. During the years 1967 to 1970 he was associated with the AID-Purdue program in Brazil. He is a graduate of the University of California at Berkeley, where he earned both the bachelor of science and master of engineering degrees. His doctor of philosophy degree was conferred by Purdue University.



Dr. Gerhard Reethof, left, Alcoa professor of mechanical engineering, witnesses ceremony as a representative of the Aluminum Co. of America, Jack Prohaska, second from right, presents a check to Provost Russell E. Larson for continuing the support of the Alcoa professorship for another year. College of Engineering, Dean N. J. Palladino is at right.

Alcoa extends professorship again

The Alcoa Foundation has announced a one-year extension of the Alcoa professorship at the University, held by Dr. Gerhard Reethof, Alcoa professor of mechanical engineering.

The extension is the eighth awarded by the Foundation since Penn State was first designated in 1967 as one of 15 institutions to receive Alcoa professorships in engineering design.

The Foundation's program to strengthen engineering design education is partially carried out by the professorships, which provide the opportunity for experienced engineers to infuse their industrial experience

and technical knowledge into instruction and research.

Dr. Reethof is the University's first Alcoa professor of mechanical engineering, holding the chair since it was established. During this period, he has developed and taught undergraduate and graduate level courses in the fields of mechanical design, reliability engineering and acoustics and noise control.

Acoustics and environmental noise control have been his major areas of research, and he is director of the Noise Control Laboratory in the College of Engineering.

Fund council membership approved

The Penn State Fund Council has been activated with the approval by the Board of Trustees of the appointments of 21 individuals as charter members of the Council.

The Council was established by the Board last July as part of a reorganization of the University's development program, including the Office of Gifts and Endowments.

Commenting on the role of the development program in the University, President Oswald emphasized that "development of strong support from alumni and friends continues to be of crucial importance to Penn State. This support can spell the difference between having merely a good university with a proud past and nurturing a great university with an even brighter future."

Council members will serve as counselors and advisors to the president of the University and the Board of Trustees. The University's development program provides scholarships for students, support for the scholarly endeavors of the faculty, program enrichment and innovation and enhancement of the campus environment. Such efforts ultimately enable the University to increase the quality of educational service to the Commonwealth.

Personnel approved recently as charter members of the Council include: Mrs. Claude G. Aikens, State College; Edward

R. Book, Hershey; Samuel B. Casey, Jr., Chicago, Ill.; William Elliott, Collegeville; Robert L. Elmore, Fort Lauderdale, Fla.; Lawrence G. Foster, Jr., Westfield, N.J.; Mrs. Barbara Hackman Franklin, Washington, D.C.; J. Lloyd Huck, Doylestown; Walter F. Rockwell, Jr., Pittsburgh; Stanley G. Schaefer, Pittsburgh; Charles W. Shaeffer, Baltimore, Md.; and Judge Roy Wilkins, Jr., Bellefonte.

Others who had been serving on the Penn State Foundation Board, discontinued with the establishment of the Penn State Fund Council, also named as charter members are: Edward R. Brown, Altoona; Frederick J. Close II, North Madison; Drs. Wallace H. Dunlap, York; Robert E. Eberly, Unintown; Robert E. Kirby, Pittsburgh; Roland W. Oberholtzer, Jr., Wilmington, Del.; and Donald D. Smith, Dallas, Pa.

Walter J. Conti, of Doylestown, and Charles P. Neidig, of Haverford, have been named to the Council as representatives of the Board of Trustees while ex officio members are Michael Baker, Jr., of Beaver, as president of the Board; William K. Ulrich, of Clearfield, as vice-president of the Board; and Dr. Oswald, as president of the University.

Charles Lupton serves as executive director of the Office of Gifts and Endowments.

Engineering job offers on increase

There has been a 31 percent increase in job offers to engineering seniors over last year, according to the 1974 College Placement Council Survey, and 68 percent of all job offers this year came from employers in the manufacturing and industry categories.

Of the overall job offers to men seniors, 62 percent were in engineering disciplines, 28 percent in business areas, six percent in natural sciences, and four percent in humanities and social sciences.

Because of the scarcity of women in the more technical disciplines, only 12 percent of the women's volume was in engineering as compared to 34 percent in business, 28 percent in the humanities and social sciences, and 26 percent in natural sciences.

Engineering seniors at Penn State were also offered some of the highest starting salaries, along with seniors who majored in the earth and mineral sciences and business. The monthly salaries for graduating seniors in engineering ranged from \$556 to \$1,086, according to the University Placement Service, whereas the salaries for liberal arts majors averaged about \$755.

Despite the increasing demand for engineers, however, the graduating classes in engineering are expected to be smaller each year from now through at least 1978, according to the Engineering Manpower Commission.

"The smaller classes are the result of the 'engineering scare' during the late sixties when the cutback in defense funding left a number of engineers unemployed," says Dr. Nunzio J. Palladino, dean of the College of Engineering.

This situation, Dean Palladino thinks, unnecessarily frightened away prospective engineering students. He points out that the present energy problem is only one of the areas where solutions demand the expertise of engineers, and that the continual advance of technology requires the skills of more technically trained men and women.

"High school seniors, both men and women, who are proficient in mathematics and the sciences should look into the possibility of going into engineering," urges Dr. Palladino. "Not only should this career choice prove to be rewarding to the individual, but it would also be of great help to society."

Envelopes needed

Recycling of interoffice envelopes at the University Park Campus saves many dollars. In a period of paper limitations of all kinds, it helps to make fullest use of the available supplies. Departments, and individuals, are therefore urged to send excess supplies of used envelopes to all kinds of mailing Service Bldg. This includes, but is not limited to, the following type of envelope that might conceivably be reused — letter size; No. 10 lined or unlined, manila, or white; even up to 11 by 15 inch envelopes. These will then be sent to those departments that have expressed a need for envelopes; at the present time, the expressed need is far greater than the available supply.

Library tours

Graduate student tours of Pattee Library will be offered on Tuesday through Thursday, October 2-4, at 9:30 a.m. and 1:00 p.m. All graduate tours begin in the Reference Department, Room E105, East Pattee. Arrangements for class instruction by the Reference Department for upper-division and graduate classes may be made by calling Jack Pontius at 865-6398.

The Undergraduate Library staff will give tours of Pattee Library on Tuesday, Wednesday, and Thursday, October 3 and 4, at 9:00, 10:00 and 11:00 a.m., and at 2:00, 3:00 and 4:00 p.m. An evening tour will be offered on October 4 at 7:00 p.m.

Parking decals

The issuance of new parking decals for University Park Campus is under way, but because of the term break, holidays, and the beginning of a new term, present decals will be valid until January 14, 1975. Wage payroll and special windshield perking permits with a valid date of Nov. 30, 1974, are also valid to January 14.

The new decals may be displayed when they are received, but they must be displayed by January 15, 1975.

Airport safety

Further improvements in the safety conditions of the University Airport are indicated in the Airport Study by the Board of Trustees. The installation of a visual approach slope indicator and runway end identification lights for the new runway at the airport.

Training aids

A group of training aids in the form of slide/tape presentations which are valued at \$3,000 was presented recently to the Department of Mineral Engineering by the mining machinery division of Joy Manufacturing Co., Pittsburgh.

They will be used in the Department's mining curriculum, primarily in an undergraduate course in mine power systems.

Gary W. Schrock, vice president for sales of the division and a 1954 Penn State mining engineer graduate, arranged the gift.

Funding Opportunities

For procedural and funding source information, call 865-1372.

NOVEMBER 28, 1974

(157-1) October 20, 1974 is the deadline for the Vocational Education Curriculum Development Committee to submit recommendations to the Board of Trustees. Two projects will be supported for 1975. Initiating a rotation plan, which will coordinate curriculum efforts among the various departments, and a network for curriculum coordination in the vocational and technical education fields. (Ref. WST 11/4/74)

(157-2) A number of awards will be made by the application of the following criteria: economic activity to evaluate the effects of legislation on productivity and provide information to enable legislators, government bodies, and industry to increase their social effectiveness. This U.S. Government procurement information program is being distributed. Contact National Science Foundation, Contract Processing Section, Room 220, 1800 G Street, NW, Washington, D.C. 20585 (202-632-4128) (Ref. WST 11/18/74).

(157-3) Notice of Foreign Language and Area Study Fellowships criteria for funding and a closing date of December 17, 1974 has been issued by the Office of Education. This information is being distributed. Program Information forms may be obtained from the International Studies Branch, Division of International Education, Room 202, 2022 Second Street, NE, Washington, D.C. 20002 (202-245-2683) (Ref. WST 11/12/74).

(157-4) The National Endowment for the Arts (NEA) has published guidelines for three programs: The Dance Training Program (State Arts Agencies), The Music Training Program (State Arts Agencies), and the Music Training Program (State Arts Agencies). Guidelines distribution has been made. (Ref. 39FR 39917, 11/12/74).

(157-5) Methods to stimulate research

Rent increases, construction plans among items

Trustee actions on a variety of subjects noted

The University on Jan. 16 will increase by \$10 per month the rental charges for apartment units in Eastview Terrace and in Graduate Circle on the University Park Campus. Rapidly escalating costs were cited in announcing the increase.

The Board of Trustees has approved an increase from \$85 to \$95 per month for one-bedroom and \$95 to \$105 per month for two-bedroom units in Eastview Terrace, and in Graduate Circle the increase approved is from \$95 to \$105 per month for one-bedroom and \$105 to \$115 per month for two-bedroom units.

Nominating for rental increases at University Manor, the student-house officer apartment complex at the Milton S. HERSHEY Medical Center, the first since 1971, also were approved, effective Feb. 1, 1975.

The Human Performance Laboratory has been renamed the Sports Research Building, to better describe the actual use of the structure and to avoid confusion between the facility and the Noll Laboratory for Human Performance Research recently opened.

The building, constituting the old locker room building on the former site of Beaver Field, south of the J. Orvis Keller Bldg., houses the offices of the Sports Research Institute, research space for graduate students, and offices for some of the on-going projects of the Institute.

Formal designation of a Regional Mining Education Center at the Fayette Campus of the University in Uniontown was approved by the Board.

The Center will serve as a focal point for specialized training and education programs designed to assist the Commonwealth in taking a leading role in meeting energy demands.

President Oswald said the Center "will provide a vehicle for consolidating facilities and faculty in an organized and systematic manner to efficiently and effectively develop the many new programs which will be needed in the future."

The designation of a "center" he added, "emphasizes the University's commitment to continue its leadership in mining education and research and to strengthen and broaden its services to the people of the Commonwealth and the Nation as a whole."

Under the plan, the Center will be an integral part of the Fayette Campus and will be administered by Hugh M. Barclay, director of the Campus.

Preliminary plans for the Faculty Club

to be constructed near the Nittany Lion Inn were approved by the Board, the approval subject to further studies of possible alternatives.

The Board in September gave approval to sketch plans for the building which will be constructed with privately contributed funds specially designated for the Faculty Club. No State funds will be involved.

It is expected final plans will be submitted for approval in March, 1975.

To help ease a critical space problem on the Delaware County Campus, Trustees have approved purchases and erection of six modular structures at an estimated cost of \$275,000.

The present 1,700 enrollment, including 1,175 enrolled for daytime classes, far exceeds initial projections for the Campus, where the three-story classroom building now in use was designed to accommodate 735 students.

"The acquisition of these temporary facilities is not intended to expand campus enrollments, or change the University's priorities with respect to the acquisition of permanent facilities on the Campus, but rather to provide space for existing students and programs," President Oswald said.

Each of the six modular units, it was explained, is 24 by 60 feet and together they will provide a total of 8,640 square feet of space. With trustee approval to ask bids and award contracts granted, it is expected the units could be ready for occupancy by March 1, 1975, or shortly thereafter.

John D. Vairo, Campus director, said 10 of the units will be joined together to serve as a student center and will include food-vending machines. Classrooms and faculty offices will be established in two of the units, while another will serve as the Campus bookstore, freeing current space in the general purpose building to establish study and classroom areas.

The trustees authorized the expenditure of \$656,517, the amount required to award contracts to the lowest bidder, for construction of the Cardiovascular Research Laboratory at the Milton S. Hershey Medical Center.

The funds for the project come from a Kresge Foundation grant and from other grants and other contract commitments.

The action, ratifying the approval of the \$656,517 amount, also rescinds action taken last July in which \$500,000 was authorized for the project. The Board

earlier had approved final plans for the project and authorized the asking of bids and awarding of contracts.

Construction work on the laboratory, which will provide expanded facilities for work with large animals, is expected to start later this month.

The Trustees have approved final plans for the first building on the new site of the Allentown Campus. Designed in accordance with the new campus academic plan, it is to be an innovative, flexible, multiple use-type building providing space for continuing education activities and a limited baccalaureate degree program.

In addition to large rooms for use in continuing education programs and classrooms and seminar rooms for baccalaureate work, the 1,500-sq. ft. structure will contain a large library learning resource center and administrative and faculty offices.

The naming of an all-purpose room in Tyson Building in honor of the late Dr. Darrell E. Walker was approved by the Board. Dr. Walker, who served on the faculty for 19 years until his death in 1973, and for 10 years as dean of the department head, is also honored in a memorial scholarship fund that was established last January and in a small planting area in the proposed Penn State Allentown.

Staff vacancies

Universally faculty or staff members who are interested in any of the staff exempt or staff non-exempt jobs listed below may apply by calling the Personnel Office, Room 100, University Park, PA 16802. Do not contact the area having the vacancy. Applications will be accepted until 5 p.m.

THURSDAY, DECEMBER 5, 1974

RESIDENCE AREA COORDINATOR —

Bohrer College

Responsible to the Dean of Student Affairs through the Assistant to the Dean of Student Affairs-Residence Community Coordinator for assisting in carrying out the mission of the Office of Student Affairs by providing administrative, educational, cultural, and personal services for the total residence hall program. Master's degree, or equivalent, in college student personnel or a related field of study or Bachelor's degree, or equivalent, in relevant undergraduate major with at least one year of residence hall supervisor experience.

BUYER, BUSINESS SERVICES — University Park

Responsible to the Director of Purchases for the efficient and economical procurement of required items to best serve the interests of the University and the individual department involved. Specifically to evaluate specifications, giving consideration to quantity, quality, cost, and delivery requirements; solicit quotations; interview vendors, expedite deliveries, handle adjustments, and perform all necessary record keeping, purchasing services, and other related duties. Bachelor's degree, in Business Administration or related field and three to five years of experience in the procurement of furniture, furnishings, and related items is preferred.

RESEARCH PROGRAMMER —

Hershey Medical Center

Responsible to a Research Associate for the development of computer programs to fulfill the requirements of data acquisition systems. Operation of the computer system with some course work in the Sciences, plus two years of experience.

COORDINATOR FOR VETERANS AFFAIRS,

STUDENT AFFAIRS — University Park

Responsible to the Assistant Vice President for Student Affairs for Student Services for coordinating all veterans affairs and services on the University Park Campus and to provide assistance to the veterans affairs organization on the various Commonwealth Campuses. Master's degree in Student Personnel Administration or a related field or equivalent of a master's degree is required. Four to six years experience is necessary. The employee should be an honorably discharged veteran with active duty experience.

COUNSELOR, PSYCHOLOGIST, STUDENT AFFAIRS —

University Park

Responsible to the Director of the Mental Health Center for providing mental health services for students of the University Park. In clinical or counseling psychology or equivalent training including a one year APA approved internship, or Master's degree in clinical or counseling psychology or equivalent training, plus a minimum of three to four years of applicable clinical experience.

PRODUCER-DIRECTOR, CONTINUING

EDUCATION — University Park

Responsible for the planning and coordination of all phases of production projects to which requests for technical assistance are made. Bachelor's degree or equivalent with two to four years of related experience in general education or information broadcasting. Candidates must be capable of performing on the job.

THE UNIVERSITY IS AN EQUAL OPPORTUNITY EMPLOYER

Innovation in the U.S. are "under consideration" by the National Science Foundation using closer inquiry/university research. The NSF Research Advisory Committee for Research proposed several methods including: joint university/industry sponsorship of research projects; exchanges of university and industry personnel over varying periods of time up to three years; re-entry fellowships for academic researchers returning from industry for summer positions; and a grant program for students working in industry for government, joint R & O facilities for industries, and other information dissemination methods like workshops, extension courses, use of university facilities like libraries, and use of industry advisors. (Ref. WST 11/4/74)

(157-4) A new national fire prevention and control organization has been established by the Commerce Department to aid local and state fire-fighting agencies through grants and research and development programs. The new administration was created under the Federal Fire Prevention and Control Act of 1974 (PL 93-488) which also included provisions for creating a National Academy for Fire Prevention and Control, a National Fire Training Academy, development of a National Fire Data Center (collect, analyze, disseminate information); developing, testing, and evaluating fire-fighting equipment; and establishing a Fire Research Center; and public education. (Ref. WST, 11/4/74).

(157-7) The President's Commission on White House Fellows (1950 & Street NW, Washington, D.C. 20415) invites applications from U.S. citizens 23-36 years old who have demonstrated unusual ability, high moral character, outstanding motivation, a broad background in leadership, dedication to the institutions of the U.S. and promise of future development. The application deadline is October 2, 1974. Fellows receive frashard appointment to the process governing the U.S. Silver ends are up to \$30,147 per year depending on the experience of the applicant. For further information and application forms, write to the address given above.

(157-8) Woodrow Wilson National Fellowship Foundation (Box 642, Princeton, N.J. 08540) invites applications for 25 doctoral dissertation fel-

lowships on women's studies. Applicant must have passed comprehensive examination by September 1975. The application must be submitted by the Graduate School. Interested persons should send a brief autobiography, a brief dissertation prospectus, copies of all transcripts, and letters of recommendation from the thesis advisor and the department head to 317 Kern Graduate Building by October 5. Nominations will be sent application forms to the Graduate School by November 15. A dependency allowance plus the dissertation fee plus a \$500 research expense allowance. Further information is available at 317 Kern Graduate Building. The award must be on woman's role in society, particularly in contemporary America.

(157-9) National Science Foundation ERG Post-Doctoral Fellowships: Forms are available in 317 Kern Graduate Building. A new application deadline of December 20, 1974 has been announced.

(157-10) National Institutes of Health (Grants Inquiries Division of Research Grants, Bethesda, Maryland 20814) is instituting a new program of service awards for post-doctoral fellowships. Applicants must submit a written plan of study to prepare him for a research career. Application deadlines are January 2 and May 1, 1975. For further information write to the address given above.

REMINERS AND DEADLINE DATES

Jan. 1 for Ford Foundation Research on the Environment and Energy (Nov. 15, 1974 INTERCOM #154-1) Jan. 2 (May 1 & Sept. 2) for NIH Research Career Development Program (Nov. 21 INTERCOM #153-1) Jan. 6 for OE Field Researcher Study Program (Nov. 21 INTERCOM #152-1) Jan. 6 (changed) for NSF Energy-Related Graduate Fellowships (Oct. 17 INTERCOM #151-1) Jan. 10 for OWRU Water Research projects (Oct. 10 INTERCOM #150-2) Jan. 10 for Nuclear Science and Engineering Research (Oct. 31 INTERCOM #153-1) Jan. 15 for NSF Senior Foreign Exchange Program (Nov. 21 INTERCOM #156-1) Jan. 31 for NSF/NARR Research on General Research Sharing (Oct. 24 INTERCOM #152-1) Jan. 31 for Metropolitan Life Education Grants (Nov. 21 INTERCOM #156-2)

Deferred annuity plan is available

Approaching a new calendar year is a time when many people begin thinking about income taxes, and how to reduce them legally. One method is available to faculty and staff members through a tax deferred annuity plan sponsored by the University. Here is how it works to the advantage of many.

A provision of the Federal Income tax law gives employees of certain tax-exempt, non-profit organizations such as Penn State the opportunity to obtain a special current tax benefit under certain circumstances. All full-time regular employees of the University are eligible to participate. When an employee decides to enroll in the plan, he or she elects the amount of a monthly premium (not less than \$40.00) and this amount is not considered or treated as current income for tax purposes. The dollars being saved are then used to purchase a retirement annuity. The net result is a unique opportunity for employees to accumulate a fund for their future security with before tax dollars.

Christmas tree orders being taken

The Penn State Forestry Society will be providing fresh-cut Christmas trees for the University Park Campus again this year.

All trees are priced at \$1.50 per foot and will be delivered to offices on campus between Dec. 9 and Dec. 11. Available will be Scotch pine and Douglas fir. The smallest trees will be four feet tall.

Orders can be placed between Nov. 25 and Dec. 6 by calling Kristeen Karas at 865-4237 during the normal working hours, specifying the size and type of tree and the date and the location of delivery. Payment may be made by an Interdepartmental Transfer (804-14) or by cash or check, payable to the Penn State Forestry Society, on delivery of the tree.

Artists Series has schedule change

The Artists Series has announced it will engage Czechoslovakian's Prague Chamber Orchestra for a January 17 concert in University Auditorium, in place of the Feb. 21 performance of the Moscow Chamber Orchestra.

The Soviet orchestra recently cancelled its entire six-week U.S. tour.

Eighteen teams in swim relays

Eighteen teams will compete in the Penn State Swimming and Diving Relay Championships at the Natatorium Saturday, Dec. 7. It's an unusual kind of championship in that results are calculated for teams, rather than individuals; for example, the swimming events are all relays, of three or four men. Since it's the first meet of the season for most teams, it gives the coaches a chance to see a lot of their swimmers in action in a real competition for the first time. Spectators are welcome; a charge of \$1 for trials and \$1 for finals is made. The trials start on the morning (starting starts at 8:30 a.m.) and finals start at 3:30 p.m.

WPXS highlights

Sunday, Dec. 1 — "Henry Kissinger and the Press," with Harrison Salisbury, 10:30 p.m.
Monday, Dec. 2 — "Cuba: The People," documentary on Cuban lifestyle today, 8 p.m.
Monday, Dec. 2 — Author C. P. Snow, in talk with Stanley Weintraub, 10 p.m., and also Tuesday, Dec. 3, at 3 p.m. and Saturday, Dec. 7, at 1:30 p.m.
Thursday, Dec. 5 — Ninety-minute special, "Education Exchange: Where the Buck Stops," on the state's public schools, 7:30 p.m.
Thursday, Dec. 5 — "Primate: A documentary on research laboratories' uses of primates in research, 10 p.m. (two hours).

HUB specials

Monday, Dec. 1 — Lunch, stuffed peppers, \$3.91; dinner, meatloaf, \$8.00.
Tuesday, Dec. 2 — Lunch, bar-b-que on bun and soup, \$7.80; dinner, beef steak, \$1.25.
Wednesday, Dec. 3 — Lunch, spaghetti with meat sauce, \$1.77; dinner, Salisbury steak, \$1.30.
Thursday, Dec. 4 — Lunch, turkey turnover, peas, \$1.07; dinner, lasagne, \$1.22.
Friday, Dec. 5 — Lunch, Congo Island frenks, soup, \$7.80; dinner, french fried chicken, \$1.34.
Saturday, Dec. 7 — Lunch, chili con carne, \$5.64; dinner, frank and beans, \$5.98.
Sunday, Dec. 8 — Dinner, chopped steak with mushrooms, \$1.59; supper, beef chop suey, with rice, \$3.91.

The fund being accumulated may also grow faster than ordinary savings or investments since earnings on the invested money are not subject to current annual taxes. It should be remembered that if the money is withdrawn in a lump sum or as monthly income, the entire amount becomes ordinary income in that year and would be subject to tax.

Since January will begin a new tax year, it would be advantageous for interested employees to enroll in the tax deferred annuity program as early in the tax year as possible. Application forms and other printed matter are available in the Employee Benefits Division, 133 Willard Building. When an employee enrolls on or before the 20th of a given month, the plan goes into effect the first of the following month.

Although many different companies sell tax deferred annuities, the University's program is offered through the Teachers Insurance and Annuity Association (TIAA) and the Equitable Life Assurance Society.

able to the Penn State Forestry Society, on delivery of the tree.

For safety reasons, University officials suggest that artificial greens and trees be used on campus, but if natural materials are used, certain precautions should be taken to insure the safety of persons and property.

If plastic artificial trees are used, it should be determined that they are of noncombustible materials. If aluminum trees are obtained, no electric lights should be used on the trees themselves.

Due to the energy crisis, departments are requested to refrain from using electrically illuminated decorations.

The 36-member Prague Chamber Orchestra gave two sellout performances in Schwab Auditorium ten years ago. This January's concert will take place in University Auditorium at 8:30 p.m.

A few tickets will be available for this program; details on their sale will be available later.

NEWS —

(Continued from page one)

one man as second lieutenant U.S. Air Force Reserve.

The commissioning address will be delivered by Col. Elwood M. Wagner, president of the Retired Officers Association, Nittany Lion Chapter, and former professor of aerospace studies at the University.

CAPITOL ESSAYIST

A 1972 graduate of the Capitol Campus, William Russell Bitner, Jr., is author of a collection of essays, "A Ship of Dreams," to be published by Dorrance and Co., Philadelphia, to be distributed in both the U.S. and Canada. He said that "much of my inspiration came from the study of philosophy and psychology at Penn State-Capitol Campus." Most of the essays were written while he was attending Penn State.

HUB FOOD SERVICE

Beginning with the Winter Term, there will be no breakfast service in the Hetzel Union Building on Saturdays and Sundays, effective December 2.

HUB VIDEO TAPES

With some spare time at lunch time, you might try the video tape showings almost daily (beginning Dec. 6) in the HUB reading room, sponsored by the Hetzel Union Board. (Some of these tapes may also be shown at Kern Graduate Bldg.; no schedule is as yet available.) The first week's tape, shown from 10 a.m. to 4 p.m., is a series of cartoon comings. Other programs will include "The Song of Christmas" Jan. 13-19 and a Harry Chapin concert Jan. 6-10. There is no admission charge.

STUDENT AID

The New York-Penn Chapter of the American Institute of Undergraduate Engineers has made possible a grant-in-aid for in-

Engineers study riding comfort

Using a special dummy instead of live models, two Penn State mechanical engineers have come up with a new way for determining human riding comfort in various transportation systems.

Dr. James C. Wambold and Dr. William H. Park have completed the first year of a project during which they have fabricated and instrumented a "ride quality dummy" and developed data reduction methods. The project is sponsored by the U.S. Department of Transportation.

The work on ride comfort that has been done in the past according to the researchers, has two limitations — it has often been hampered by a lack of proper equipment, and in many cases, has used the subjective responses of the passengers as a basis for evaluation.

"Most prior comfort studies have been done with live models, whose feelings vary from day to day," said Dr. Wambold, "so we thought if we could simulate man and measure a comfort parameter, we could come up with an objective method rather than a subjective one."

"The comfort parameters we are using," added Dr. Park, "is the absorbed power criterion developed in the late 1960s."

Human response investigations to ride comfort began about 25 years ago, but there have been few investigations until recently. The need for experimental evaluation of comfort became apparent during World War II, when military personnel sustained major physical injuries while riding in military vehicles.

The researchers explained that as speeds become higher, transportation systems must be designed to eliminate vibrations and other motions that are detrimental to the vehicle, the operator, the passenger, the cargo of the environment.

The International Standards Organization's standard defining human tolerance to whole-body vibration has been under development for a number of years, according to Dr. Wambold, and suggests methods of dealing with broad frequency band linear vibration in a given direction, but does not deal adequately with combined effects of different directional vibration components or effects of rotational vibration. The technique developed by Dr. Park and Dr. Wambold does assess

dustrial engineering students. The grant, which will amount to \$150 a year, will be made to a student who has completed two years of the industrial engineering curriculum and has maintained a 2.5 or higher grade-point average. The recipient may receive the grant for a total of two years if he or she remains eligible.

CONTINUING ED POPULAR

During the past year, 134,903 people were enrolled in continuing education courses offered by the University, says Floyd B. Fischer, vice president for Continuing Education. More than 74,000 of these were enrolled in non-credit programs, highly specialized, such as conferences, institutes, workshops, and short courses, but some 39,000 were enrolled in credit, 1,476 in unit programs, and nearly 20,000 in correspondence courses. In addition, Continuing Education reaches the public through Audio-Visual Services, PENNTAP, and, of course, WPXS-TV, Channel 3.

ENGINEERING WOMEN

Seven years ago, only five freshman women were enrolled in engineering at the University; this year this number has jumped to 96, says the dean of the College of Engineering, Dr. N. J. Palladino, pointing out the increasing interest of women in what was once almost entirely a man's field.

PRESS BOOK

All scholarly work on Matthew Arnold published between 1932 and 1970 is presented in "A Bibliography of Matthew Arnold," published by the University Press.

The book was compiled by Vincent L. Tollers, a member of the English faculty at the State University of New York College at Brockport.

Major monographs and periodical bibliographies as well as critical works are listed, as are general works containing sections on Arnold. The book includes a brief discussion of Arnoldian scholarship of the last four decades.

these additional effects.

The Penn State researchers originally hoped to use standard crash dummies, but found that their behavior in response to vibrations is not very good because they act as dead weight at these frequencies. Their present dummy consists of two sets of masses suspended with springs and dampers, which give it two degrees of freedom or modes of vibration in the vertical direction to effectively match a seated human. Eventually, the researchers plan to redesign the model to give it a life-like appearance.

During the next two years of the proposed three-year project, Dr. Wambold and Dr. Park plan to expand the dummy's measuring capability to include lateral and fore-aft movement, angular body motion and motion of the limbs or head for comfort assessment, as well as the assessment of other senses such as sight, hearing and smell.

Plans for the second experimental part of the program also include the gathering of comfort data from various transportation environments and the identification of significant motion directions with the four major directions of motion — vertical, lateral, and fore-aft — as well as pitch and roll modes. Measurements on a human passenger, using equipment from previous research, will also be obtained for correlation with the dummy.

Higher education

The University of Pennsylvania is facing a deficit in 1974-75 finances larger than the \$500,000 "built into" the budget, according to President Myerson, who cited a \$1.5 million loss in portfolio, failure of the New Jersey legislature to provide support for a regional school of veterinary medicine, and low rate of support for the University's hospitals. But the president believes the deficit condition is "temporary," and that the question is only "how long."

At Michigan State University, various aspects of Academic Governance are currently under consideration including a committee recommendation that would limit a chairman of a department or director of a school to no more than two successive five-year terms. The University Provost, John Canton, said the restriction is a mistake, the problem lying not in the length of service but in the lack of a formal structure to review that service.

The "Chronicle of Higher Education" in a story by Philip M. Boffey, reports that Senate Bill 32, "National Policy and Priorities for Science and Technology Act of 1974," introduced by Sen. Edward M. Kennedy, went through the Senate with virtually no opposition. It would rewire the science advisory mechanism from the White House to state and local governments, establishing a three-member Council of Advisers on Science and Technology within the executive office of the President. The council would "recommend the desired level of federal investment in science and technology, and it would recommend priorities for allocating federal funds among the broad technical areas." The council would therefore have greater voice in federal funding than previous organizations that were advisory to the President. One aspect of the bill would provide for a new program of continuing education for scientists and engineers.

Student returns

Peggy Kowing, a graduate student in the Linguistics Program, who received her first travel grant provided by Alliances Française de State College de l'Université, Paris, has returned after traveling through France.

Selected for the award by the Graduate School, Miss Kowing traveled to Geneva region, for research on a French dialect that is disappearing rapidly.

Alliance raised money for the grant by sponsoring two concerts of French music in 1973 and 1974, in which the French-American students were featured. The organization plans to continue the grant program in 1975.

PENN STATE intercom

Volume 4, Number 14

December 5, 1974

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

New parking decals needed by Jan. 15

A faculty or staff member at University Park may receive parking privileges for no more than two vehicles. However, only one vehicle may be parked on campus at a given time. Parking decals for the first vehicle are provided free by the University. There is a \$10 fee for second vehicle parking decals. New parking decals are now being issued. They may be displayed immediately, and they must be displayed by January 15, 1975.

During this initial distribution period, faculty and staff members wishing to register a second vehicle may do so by paying the \$10 fee to the Financial Officer assigned to his or her area or to the Bursar in Shields Building. After January 15, 1975, the second vehicle fee may be paid only to the Bursar.

When payment is made, a serialized receipt is provided for the faculty or staff member to give to his or her parking chairperson who will then issue second vehicle decals.

International festival Dec. 9-15

An International Holiday Festival, with a variety of activities scheduled for the week of Dec. 9-15, is being sponsored by the University Committee on International Programs, Community Awareness, Office of International Student Affairs, the Kern Graduate Building, and the HUB.

The goal of the program is "to foster a spirit of broader understanding and sharing in a celebration of life in many cultural moods." It is hoped that the interaction of American and international communities here will expand the cultural awareness of the entire campus community.

The program of events includes:

KERN GRADUATE BUILDING — Holiday wall decoration competition in the Commons Gallery, Dec. 9-21; display of international banners in Commons Gallery, Dec. 9-21; nighttime entertainment Monday, Wednesday and Friday, 12 noon; Christmas decorations workshop, Dec. 10 and 12 (Tuesday and Thursday) nighttime, lobby; French film, "The Grand Illusion," Wednesday, Dec. 11, 7 and 9 p.m., Room 112; International Coffeehouse, featuring international decor and talent, Friday, Dec. 13, 8 p.m.; madrigal dinner and celebration (old English), Saturday and Sunday, Dec. 14 and 15, 6:30 p.m., Room 102; international tree, Dec. 9-21; and international background music daily.

HETZEL UNION BUILDING — exhibits in first floor display cases; architectural exhibit, Aalto, first floor, daily; workshop on decorative objects, main lounge, noon, Dec. 9-15; international dinner, Terrace Room, Wednesday, Dec. 11, 6-8:15 p.m.; and international music on tape system.

COMMUNITY AWARENESS — children's party, Saturday, Dec. 14, 1-4 p.m., Findlay Rec Room, with songs and games and refreshments; children's art of Christmas around the world, Dec. 9-21, Cultural Center.

INTERNATIONAL CENTER — McKee Hall, decorations in traditional American Christmas; Christmas clearinghouse for international students; Christmas tea for international students, Wednesday, Dec. 18, 2-4 p.m., sponsored by International Hospitality Council.

The Madrigal Dinner, Saturday and Sunday, Dec. 14 and 15, in the Kern Graduate Building (Room 102), will feature an Old English meal and entertainment typical of 14th-century ages, along with contemporary music. The Phi Mu Alpha brothers will play, a jester will give an old English reading, and a minstrel and trumpeters will be featured during dinner. After dinner, the Hy Los group will sing madrigals and other Old English songs. The dinner, which is being catered by the hotel and Restaurant Society, will cost \$5.50 each, and tickets can be purchased at the Kern Information Desk prior to the dinner.

News in brief

FREE-U REGISTRATION

Registration for the courses offered by Free-U will take place Wednesday and Thursday, Dec. 11-12, in the Hetzel Union Bldg. The registration on Wednesday will take place in the ballroom, from 7 p.m. to 10 p.m.; Thursday's registration will be held in the assembly room, from 10 a.m. to 4 p.m. These are non-credit, general interest courses taught by students, staff or faculty, and in some cases area residents not otherwise connected with the University. They cover a wide variety of interests and activities, generally not available in regular University programs. Any student, staff or faculty member may enroll. Booklets listing the courses were made available this week and on Sunday,

Dec. 8, from 1-4 p.m. in the Wesley Foundation, demonstrations and explanations of the courses will be given by many of the teachers involved.

IMPELLITTERI SCHOLARSHIP

The Joseph T. Impellitteri Memorial Scholarship has been established, honoring the late professor of vocational education, by members of Iota Lambda Sigma, Industrial education honorary, and other organizations and individuals. The scholarship plan supersedes the Joseph T. Impellitteri Memorial Awards Program. Dr. Impellitteri, who joined the University faculty in 1961, died in an automobile accident on May 7, 1972.

INTERNATIONAL NIGHT

A special candlelight dinner at the HUB terrace room Wednesday, Dec. 11, will include entertainment by the United South American Singing group and Oriental music provided by international students at Penn State. Special decorations will also be hung by the students. The menu will feature a variety of items which had their origin in foreign countries, such as Armenian beef kabob, stuffed Italian shells, Irish boiled dinner, chicken Polynesian, Danish pork chop, shrimp chorizo, with Russian borscht and Norwegian potato salad. Among the desserts will be apple strudel and ricotta pie.

BETA SIGMA PHI SALE

The local chapter of Beta Sigma Phi will conclude its full season sales, proceeds of which benefit local charities, with its annual "Sugar Plum" sale Saturday, Dec. 14. Since 1969, the members of this women's

(Continued on page four)

For interdisciplinary developments in research

Delaware has behavioral colloquium

A Colloquium for Behavioral Research has been established at the Delaware County Campus among faculty in economics, human development, political science, psychology, and sociology.

The colloquium, says Dr. R. G. Quinn, dean of Academic Instruction for Commonwealth Campuses, will emphasize interdisciplinary developments in research methodology and theory within the framework of a continuing seminar and other activities. Applied research on the learning problems of students, using behavioral

approaches and concepts, will also be a focus of the colloquium.

Faculty at other campuses who are interested in this effort should contact Dr. Stephen J. Cimbal, associate professor of political science, Delaware County Campus, Media, Pennsylvania 19063.

Several other Commonwealth Campus faculty groups are presently at work forming other types of workshops and seminars of an academic nature.

Details concerning those groups will be announced by Dr. Quinn in early 1975.

Senate Report

Two reports presented to the University Faculty Senate at its November meeting will be acted on at the Dec. 10 Senate meeting.

The first involves proposed changes in Senate bylaws in accordance with recommendations on faculty participation in University governance.

The second report is that of the Capitol Campus Review Committee.

* * *

The University Faculty Senate's Standing Subcommittee on External Degrees will present two reports at the Dec. 10 Senate meeting.

The reports, dealing with supplying information for external degree programs and a proposed name change for the subcommittee, follow:

Informational Report of the Standing Subcommittee on External Degrees, Committee on Academic Affairs

Supplying information for External Degree Programs

Documented as Appendix "A" of the Agenda for the Senate Meeting of November 13, 1973 are eleven guidelines that should be applied to proposals of programs by the "external" route. These guidelines can serve two purposes, that of telling the Subcommittee in a succinct way the pertinent details of the newly proposed program and, if the program materializes, that of giving a prospectus to a would-be student. There are two very distinct advantages in complying with all eleven guidelines when the proposal is first submitted. First, you will need to write the proposal only once, and, secondly, you will enjoy action by the Committee in a minimum of time. Lack of full compliance to these guidelines initially can generate many committee meetings rather than

just one or two; also, in order for us to stand behind the statement, "The full text of the program is on file in the Senate Office," we may require that the proposer rewrite the proposal.

Compliance with each guideline needs to exist, to be adequate, and to be identifiable.

Miles T. Pilgoff,
Chairman

Standing Subcommittee on External Degrees, Committee on Academic Affairs Proposal for Changing the Name of this Standing Committee

The University and the Senate have been utilizing two terms, "External Degrees" and "Extended Degrees," to refer to specific programs that extend degree opportunities to students in new combinations of traditional residential forms of instruction and other non-resident modes. These programs represent an extension of the degree programs of the academic colleges and are controlled and operated within the college structure. They are not programs external to the colleges or University. Some confusion has resulted from the use of both of these terms. It is recommended, therefore, that the Standing Subcommittee on External Degrees, a Subcommittee of the Committee on Academic Affairs, be renamed as the Standing Subcommittee on Extended Degrees. It would continue to have the same responsibilities. The programs it would consider would be identified as extended degree programs.

All previous documents carrying the word "external degree" shall be changed to read "extended degree."

Miles T. Pilgoff,
Chairman

The following informational report of the Division of Undergraduate Studies Advisory Subcommittee of the Senate Committee on Academic Affairs will be presented at the Dec. 10 Senate meeting:

The OUS Advisory Subcommittee has been in existence for one year. During this first year, most of the work dealt with 1.) issues related

to the initiation of the Division's operation, and with 2.) editing the Policies and Rules for Students necessitated by the creation of OUS. As the Division begins its second year, the Subcommittee has turned its attention to specific matters related to the continuing operation of OUS.

1.) Representation for the staff of the Division of Undergraduate Studies on the Faculty Senate is a question which has concerned the Subcommittee, and it remains an unresolved issue. The Subcommittee has written to the Chairman of the Senate requesting consideration of the matter.

2.) Transfer policies of certain programs which require academic performance in excess of minimum standards courses OUS particular programs. Increasing numbers of degree programs are making it difficult if not impossible for students to transfer from OUS or from other programs or colleges into those degree programs by establishing standards for transfer-admissions significantly above the minimum university standards for initial-admission or retention. After consideration of the issue the Subcommittee recommends that the Academic Affairs Committee consider the following proposals: a.) Degree programs should be prohibited from elevating transfer-admissions standards (cumulative average) significantly above minimum university graduation standards (2.0) without the specific authorization of the Curricular Affairs Committee of the Senate and implementation by the Provost. b.) There should be no difference between grade standards for retention in or transfer into any degree program. However, we recognize that limitations of faculty and/or facilities may require some degree programs to restrict total enrollment. We recommend that the Academic Affairs Committee take this issue under advisement.

3.) Current Senate policy limiting length of time of enrollment in OUS (U-3, U-4) is under examination by our Subcommittee. Changes will likely be recommended.

4.) OUS needs a continuing readily available research support program to provide the data-base

(Continued on page four)

Winter Term 1974-75 Calendar

University Park Campus

The Pennsylvania State University

Thursday, December 5

Classes begin, 8 a.m.
West Halls, Waring Cinema, "The Ruling Class," 7:30 and 10 p.m.

Friday, December 6

West Halls, Waring Cinema, "The Ruling Class," 7:30 and 10 p.m.
Commonsplace Coffeehouse, Scott Stripling, 8 p.m., Room 102 Kern.
Penn State Invitation Wrestling Tournament, 8 p.m., Rec Hall.

Saturday, December 7

Second annual Penn State Invitational Wrestling Tournament, 2 and 8 p.m., Rec Hall.
Penn State Swimming and Diving Relay Championships, Natatorium, starting at 8:30 a.m.
Artists Series, "Don Juan in Hell," 3 and 8:30 p.m., University Auditorium.
West Halls, Waring Cinema, "The Ruling Class," 7:30 and 10 p.m.

Week of Dec. 8

Sunday, December 8

Chapel Service, 11 a.m., Eisenhower Chapel, Rebbl Robert Kaufman, Jewish Community Center, State College.
Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.
"Instant Fashions," fashion show sponsored by Penn State Fashion Council in cooperation with Butterick, Inc., 3 p.m., HUB lounge.

Monday, December 9

Steven Smith, piano recital, 8:30 p.m., Music Bldg. recital hall.
USG Senate meeting, 7:30 p.m., HUB assembly room.
College of Education Student Council meeting, 7 p.m., Room 365 Willard.
OTIS meeting, 8:30 p.m., Room 203 HUB.
International Festival, International talent, 12 noon, lobby, Kern.
Colloquy, "On Comix," 8 p.m., Schwab.
Sten Lee, on "The Marvel of Marvel."

Tuesday, December 10

Seminar on the use of the card catalog, 7 p.m., W-110 Pattee, Undergraduate Library.
University Faculty Senate meeting, 2:10 p.m., Room 112 Kern.
VSC, 7 p.m., Room 203 HUB. Lecture, recruiting for Laurenton State School and Hospital.
College of Agriculture faculty meeting, 4 p.m., Room 301 Ag. Administration.
Women's bowling, vs. Edinboro, 3:30 p.m.
Men's basketball, vs. Bucknell, 8 p.m.
International Festival, Christmas workshop, 12 noon, lobby, Kern.

Wednesday, December 11

Artists Series Chaplin Film, "The Circus," 8:30 p.m., University Auditorium.
Alard String Quartet, 8:30 p.m., Music Bldg. recital hall.
Commonsplace Theatre, "Grand Illusion," 7 and 9 p.m., Room 112 Kern.
International Festival, International talent, 12 noon, lobby, Kern.
"Europe '74, A Slide Odyssey," 8 p.m., HUB main lounge.

Thursday, December 12

VSC, 7 p.m., Reading Room HUB. Lecture, recruiting for Laurenton State School and Hospital.
International Festival, Christmas workshop, 12 noon, lobby, Kern.
Colloquy, "On Comix," 8 p.m., HUB ballroom.
Jim Dobbins, Boston Herold, on "Caricatures and Cartooning Today," 8 p.m., HUB main lounge.

SEMINARS

Agronomy, Thursdays, 3:55 p.m., Room 301 Agricultural Administration.
Chemical Engineering, Tuesdays, 3:45 p.m., Room 140 Fenske.
Chemistry, Thursdays, 12:45 p.m., Room 333 Whitmore.
Competitive Literature, luncheon end discussion, Tuesdays, 12:15 p.m., Presidential Room in the Corner Room.
Computer Science, Thursdays, 4 p.m., Room 101 Altohouse.

Friday, December 13

Colloquy lecture, 8 p.m., University Auditorium. Vaughn Bode, National Lampoon, on "Bode's Cartoon Concert."
Commonsplace International Coffeehouse, 8 p.m., Room 102 Kern.
International Festival, International talent, 12 noon, lobby, Kern.

Saturday, December 14

Penn State Singers Christmas Concert, 8:30 p.m., Schwab.
Wrestling, vs. Indiana State, 8 p.m., Rec Hall.
Men's swimming, vs. Lehigh, 2 p.m.
Madrigal Dinner, 8:30 p.m., Room 102 Kern.

Week of Dec. 15

Sunday, December 15

Penn State Glee Club and Penn State Brass Choral Christmas Concert, 3 p.m., Music Bldg. recital hall.
Chapel Service, 11 a.m., Music Bldg. recital hall. University Choir's Christmas Music.
Tommy Irwin, director.
Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.
Madrigal Dinner, 8:30 p.m., Room 102 Kern.

Monday, December 16

Shirley Foster Donovan, soprano recital, 8:30 p.m., Music Bldg. recital hall.
USG Senate meeting, 7:30 p.m., HUB assembly room.
OTIS meeting, 8:30 p.m., Room 203 HUB.
Gamma Pi Epsilon, Women's Pre-Medical Society, 8 p.m., McElwain Hall piano lounge.
Steven Wright on "Medical School Admissions and Interviews."

Tuesday, December 17

Artists Series Bergman Film, "The Seventh Seal," 8:30 p.m., University Auditorium.
ARHS meeting, 7:30 p.m., Room 203 HUB.
College of Business Administration Christmas party, 7:30 p.m., HUB lounge.
Senate Council meeting, 2:10 p.m., Room 101 Kern.

Wednesday, December 18

Ciaramont Woodwind Quintet and Alard String Quartet, 8:30 p.m., Music Bldg. recital hall.
Commonsplace Theatre, "All Quiet on the Western Front," 7 and 9 p.m., Room 112 Kern.

Friday, December 20

Round and Square Dance Roundup, 7:30 p.m., White Bldg. south gym.
Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

Saturday, December 21

Christmas vacation begins, 12:25 p.m. Offices closed Dec. 23-26.
Residence Halls close for Christmas recess, 3 p.m.

Week of Dec. 29

Wednesday, January 1

New Year's Day, offices closed. Cotton Bowl game, TV broadcast, NBC, 2 p.m.

Friday, January 3

Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

Saturday, January 4

Men's basketball, vs. Boston College, 8 p.m., Rec Hall.

Genetics, Mondays, 4 p.m., Room 111 Tyson.

Geosciences, Tuesdays, 4 p.m., Room 26 Mineral Sciences.

Meteorology, Thursdays, 3:55 p.m., Room 26 Mineral Sciences.

Microbiology, Thursdays, 4 p.m., Room 32 Frear.

Physics, Thursdays, 3:45 p.m., Room 117 Osmond.

Plant Pathology, Tuesdays, 9:45 a.m., Room 113 Buckhout.

Solid State Physics, Tuesdays, 1 p.m., Room 339 Davey.

Statistics, Thursdays, 4 p.m., Room 75 Willard.



Penn State's captain, John Fritz, will be among those competing in the invitational Wrestling Tournament in Rec Hall Dec. 6-7.

Week of Jan. 5

Sunday, January 5

Residence Halls open after Christmas Recess, 8 a.m.

Monday, January 6

USG Senate meeting, 7:30 p.m., HUB assembly room.
OTIS meeting, 8:30 p.m., Room 203 HUB. Classes begin, 8 a.m.

Tuesday, January 7

ARHS meeting, 7:30 p.m., Room 203 HUB.
University Faculty Senate meeting, 2:10 p.m., Room 112 Kern.

Wednesday, January 8

Evening of Student Chamber Music, 8:30 p.m., Music Bldg. recital hall.
Penn State Mining Society meeting, 7:30 p.m., Room 26 Mineral Sciences. Dr. Thomas V. Falkie, director, U.S. Bureau of Mines, on "Outlook for Minerals and Energy in the U.S."
Men's and Women's gymnastics. Women, vs. Towson State, men vs. Pittsburgh, 8 p.m., Rec Hall.
Commonsplace Theatre, "The Big Sleep," 7 and 9 p.m., Room 112 Kern.

Thursday, January 9

College of Liberal Arts faculty meeting, 3:30 p.m., Room 121 Sparks.
International Affairs Lecture, Don Luce on "Vietnam: The Prospects of Reconciliation," 7:30 p.m., Room 101 Kern.

Friday, January 10

Men's basketball, vs. West Virginia, 8 p.m., Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

Saturday, January 11

Artists Series, Juilliard String Quartet, 8:30 p.m., Schwab.
Women's Rifle, vs. Carnegie Mellon, 2 p.m.
Men's fencing, vs. Johns Hopkins, 2 p.m.
Men's basketball, vs. West Virginia, 8 p.m., Rec Hall.
Wrestling, vs. Kentucky, 2 p.m., Rec Hall.

Week of Jan. 12

Sunday, January 12

Julia Huff piano recital, 3:30 p.m., Music Bldg. recital hall.
Chapel Service, 11 a.m., Black Cultural Center.
Martin Luther King Memorial Service, Rev. Vernon M. Heron, National Ministries, American Baptist Churches, Valley Forge, Pa.
University Readers, 7 p.m., Room 112 Kern.

Monday, January 13

Anita Greenlee, organ recital, 8:30 p.m., Music Bldg. recital hall.
USG Senate meeting, 7:30 p.m., HUB assembly room.
Gamma Pi Epsilon, Women's Pre-Medical Society, 8 p.m., McElwain Hall piano lounge.
Richard R. Bishop, electrical engineering, on "Bio-medical Engineering," 7 p.m., Room 365 Willard.
OTIS meeting, 8:30 p.m., Room 203 HUB.

Tuesday, January 14

ARHS meeting, 7:30 p.m., Room 203 HUB.
GSA Workshop, 7:30 p.m., Room 101 Kern.
Commonsplace Theatre, "Barbarella," 7 and 9 p.m., Room 112 Kern.
Film, "A Man Called Bee," produced by Dr. Napoleon Chagnon, 7:30 p.m., Room 102 Forum.

Wednesday, January 15

Thalia Trio, 8:30 p.m., Music Bldg. recital hall.
Artists Series Chaplin film, "City Lights," 8:30 p.m., University Auditorium.
Commonsplace Theatre, "Barbarella," 7 and 9 p.m., Room 112 Kern.

Friday, January 17

University Children's Theatre, "Oloft," 2:30 and 7:30 p.m., Pavilion Theatre.
Women's Conference, jammy, "The Oeady Nightshade," 9 p.m., HUB ballroom.
Round and Square Dance Roundup, 7:30 p.m., White Bldg. south gym.
Artists Series, Prague Chamber Orchestra, 8:30 p.m., University Auditorium.
Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

Saturday, January 18

Women's Conference, workshops, 11 a.m. 5:30 p.m., HUB ballroom.
Women's Conference, feminist speaker, Rita Mae Brown, 8 p.m., Schwab.
Women's fencing, vs. Jersey City, University of Pennsylvania, and Randolph-Macon, 9 a.m.
Wrestling, vs. West Chester, 2 p.m., vs. North Carolina, 8 p.m., Rec Hall.

EXHIBITS

MUSEUM OF ART

Living American Artists and the Figure, Galleries A and C, through December 22.
Paintings, Drawings and Prints by Bruce Shoben, Gallery A, January 19-February 16.

Carlo Maratti and His Contemporaries, Drawings from the Italian Baroque, Gallery C, January 19-March 16.
Selections from the Permanent Collection, Gallery B.

Free public tours Thursdays at 1:30 p.m.

ZOLLER GALLERY

Annual art student show and sale, December 16-21.
Art faculty show and sale, December 16-21.

Marsicano Show, January 6-18.
Cook and Porter Invitational Sculpture Exhibit, January 20-February 1.
Works by Bernard Pfeim, February 3-15.

New Art Faculty Show, February 17-22.
PLAYHOUSE GALLERY
Scene Design Reflections," 53 scenic and costume designs by Robert Burroughs and Dennis Sporre, December 8-20.

OFFICIAL

Thursday, Dec. 5 — Classes begin.
Saturday, Dec. 21 — Christmas vacation begins, 12:25 p.m.

Saturday, Dec. 21 — Residence Halls close for Christmas Recess.

Sunday, Jan. 5 — Residence Halls open 8 a.m.

Monday, Jan. 6 — Classes resume, 8 a.m.

Thursday, Jan. 30 — Spring Term recess last day, Room W-110 Pattee.
Monday, Feb. 3 — Wednesday, Feb. 12 — Sign for NDSL, SEOG, BEOG, and Long Term University Loans.

Wednesday, Feb. 26 — Last day for signing Winter Term Emergency Loans.

Wednesday, Feb. 26 — Classes end.

Thursday-Saturday, Feb. 27-Mar. 1 — Final examinations.

Sunday, Mar. 2 — Residence Halls close for Winter Term, 3 p.m.

Saturday, Mar. 8 — Commencement.

Sunday, Mar. 9 — Arrival of new students.

Monday, Mar. 10 — Orientation and advising.

Tuesday-Wednesday, Mar. 11-12 — Registration.

Thursday, Mar. 13 — Classes begin.



The Prague Chamber Orchestra, which played to two packed houses at Penn State a decade ago, will perform in the new University Auditorium Friday, Jan. 17 on the Artists Series.

Week of Jan. 19

Sunday, January 19
University Children's Theatre, "Oloti," 2:30 p.m., Pavilion Theatre.
Women's Conference, workshops, 10 a.m.-5 p.m., HUB Ballroom.
Chapel Service, 11 a.m., Eisenhower Chapel, Dr. Russell Larson, Provost.
Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

Monday, January 20
Student Gallery Talk on "Carlo Maratti and His Contemporaries," Robert and Jean Westin, 11:00 a.m., Museum of Art.
Karen Cain, soprano recital, 8:30 p.m., Music Bldg. recital hall.
USG Senate meeting, 7:30 p.m., HUB assembly room.
OTIS meeting, 6:30 p.m., Room 203 HUB.

Tuesday, January 21
Gallery Talk on "Carlo Maratti and His Contemporaries," Robert and Jean Westin, 10:30 a.m., Museum of Art.
Artists Series, Bergman film, "Wild Strawberries," 8:30 p.m., University Auditorium.
ARHS meeting, 7:30 p.m., Room 203 HUB.
College of Agriculture faculty meeting, 4 p.m., Room 301 Ag. Administration.
Senate Council meeting, 2:10 p.m., Room 101 Kern.
Women's basketball, vs. Paterson, 7 p.m.

Wednesday, January 22
Caramen, Woodwind Quintet, 8:30 p.m., Music Bldg. recital hall.
Men's basketball, vs. Muhlenberg, 8 p.m., Rec Hall.
Commonplace Theatre, "Flim Flam Man," 7 and 9 p.m., Room 112 Kern.

Thursday, January 23
Women's bowling, vs. West Chester, 3 p.m.
Women's gymnastics, vs. Clarion and West Chester, 3:30 p.m.
GSA Workshop, 7:30 p.m., Room 102 Kern.

Friday, January 24
Penn State Symphonic Wind Ensemble, 8:30 p.m., Music Bldg. recital hall.
University Children's Theatre, "Oloti," 2:30 and 7:30 p.m., Pavilion Theatre.
Commonplace Coffeehouse, 8 p.m., Room 102 Kern.

Saturday, January 25
University Children's Theatre, "Oloti," 10:30 a.m. and 2:30 p.m., Pavilion Theatre.
Men's rifle, vs. Indiana (Pa.), 2 p.m.
Men's basketball, vs. St. Francis (Pa.), 8 p.m., Rec Hall.
Wrestling, vs. Maryland, 2 p.m., Rec Hall.

Week of Jan. 26

Sunday, January 26
Artists Series, Negro Ensemble Company production of "The River Niger," 8:30 p.m., University Auditorium.
Chapel Service, 11 a.m., Eisenhower Chapel, Rev. Robert A. Heydenreich, pastor, Pine Hall and Gatesburg Lutheran Church, State College.
Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

Monday, January 27
June Miller, organ recital, 8:30 p.m., Music Bldg. recital hall.
Coaly Society, speaking contest, 7 p.m., HUB assembly room.
Gamma Pi Epsilon, Women's Pre-Medical Society, 8 p.m., McElwain Hall piano lounge.
Eugene S. Lindstrom on "Medicine and the Pre-medical Student," College of Education Student Council, meeting, 7 p.m., Room 365 Willard.
OTIS meeting, 6:30 p.m., Room 203 HUB.

Tuesday, January 28

Seminar on the use of psychology reference materials, 7 p.m., W-110 Pattee, Undergraduate Library.
ARHS meeting, 7:30 p.m., Room 203 HUB.

Wednesday, January 29

Musica da Camera, 8:30 p.m., Music Bldg. recital hall.
Coaly Society, speaking contest, 7 p.m., HUB assembly room.
Women's swimming, vs. Bucknell, 7 p.m.
Men's basketball, vs. Syracuse, 8 p.m., Rec Hall.
Commonplace Theatre, "Othello," 7 and 9 p.m., Room 112 Kern.

Thursday, January 30

Due date for Spring Term reserve lists in the Undergraduate Library Reserve Book Room, W-110 Pattee.

Friday, January 31

Artists Series, Matteo and the Indo-American Dance Company, 8:30 p.m., Schwab.
Women's basketball, vs. Edinboro, 7 p.m.
Commonplace Coffeehouse, 8 p.m., Room 102 Kern.

Saturday, February 1

Free U. Jammy, 7:30 p.m., HUB ballroom.
Men's and Women's gymnastics, vs. Massachusetts, 8 p.m., Rec Hall.
Women's swimming, vs. Bloomsburg, 2 p.m.
Men's basketball, vs. Georgetown, 1 p.m., Rec Hall.
Wrestling, vs. Army, 3:30 p.m., Rec Hall.

Week of Feb. 2

Sunday, February 2

PSU Symphony Orchestra Young People's Concert, 3:30 p.m., University Auditorium.
Chapel Service, 11 a.m., Eisenhower Chapel, Rev. Robert L. Burgie, Lutheran Student Parish.
Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

Monday, February 3

USG Senate meeting, 7:30 p.m., HUB assembly room.
OTIS meeting, 6:30 p.m., Room 203 HUB.
First day for signing Spring Term NDSSL (National Direct Student Loans), SEOG (Supplemental Educational Opportunity Grants), BEOG (Basic Educational Opportunity Program), and University Long Term Loans.

Tuesday, February 4

ARHS meeting, 7:30 p.m., Room 203 HUB.
University Faculty Senate meeting, 2:10 p.m., Room 112 Kern.
Alpha Phi Omega bloodmobile, 9 a.m. to 5 p.m., HUB ballroom.
Women's basketball, vs. Slippery Rock, 4 p.m.



Penn State's Altus Quartet will give recitals December 11 and February 12.

Wednesday, February 5

Alpha Phi Omega bloodmobile, 9 a.m. to 5 p.m., HUB ballroom.
Commonplace Theatre, "To Kill a Mockingbird," 7 and 9 p.m., Room 112 Kern.

Thursday, February 6

Artists Series, Pittsburgh Symphony Orchestra, Verdi's "Requiem," 8:30 p.m., University Auditorium.
Women's basketball, vs. Bucknell, 7 p.m.

Friday, February 7

Round and Square Dance Roundup, 7:30 p.m., White Bldg. south gym.
Commonplace Coffeehouse, 8 p.m., Room 102 Kern.

Saturday, February 8

Artists Series, Pittsburgh Symphony Orchestra, 8:30 p.m., University Auditorium.
Free U. Jammy, 7:30 p.m., HUB ballroom.
Men's fencing, vs. Newark, 2 p.m.
Men's basketball, vs. Navy, 2 p.m., Rec Hall.
Men's gymnastics, vs. Temple, 8 p.m., Rec Hall.

Week of Feb. 9

Sunday, February 9

Chapel Service, 11 a.m., Eisenhower Chapel, The Venerable Pandita D. Piyandane Mahipala, president, Buddhist Vihara Society, Inc., Washington, D.C.
Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

Monday, February 10

Vicki Balson, violin recital, 8:30 p.m., Music Bldg. recital hall.
USG Senate meeting, 7:30 p.m., HUB assembly room.
College of Education Student Council meeting, 7 p.m., Room 365 Willard.
OTIS meeting, 6:30 p.m., Room 203 HUB.
Tuesday, February 11
ARHS meeting, 7:30 p.m., Room 203 HUB.
Women's swimming, vs. West Virginia, 7 p.m.
German Club play, 8 p.m., Room 112 Kern.

Wednesday, February 12

University Theatre Student Preview, "Twelfth Night," 8 p.m., Playhouse Theatre.
Alard String Quartet, 8:30 p.m., Music Bldg. recital hall.
Artists Series, Chaplin film, "The Great Dictator," 8:30 p.m., University Auditorium.
Last day for signing Winter Term NDSSL, SEOG, BEOG, and University Long Term Loans.

Commonplace Theatre, "A Man for All Seasons," 7 and 9 p.m., Room 112 Kern.

Thursday, February 13

University Theatre, "Twelfth Night," 8 p.m., Playhouse Theatre.
Women's basketball, vs. Lock Haven, 4 p.m.
Women's bowling, vs. Ithaca, 4 p.m.
Women's gymnastics, vs. Ithaca, 5 p.m.
Women's swimming, vs. Ithaca, 5 p.m.
Commonplace Theatre, "A Man for All Seasons," 7 and 9 p.m., Room 112 Kern.

Friday, February 14

Artists Series, Marcel Marceau, 8:30 p.m., University Auditorium.
University Theatre, "Twelfth Night," 8 p.m., Playhouse Theatre.
Commonplace Coffeehouse, 8 p.m., Room 102 Kern.

Saturday, February 15

University Theatre, "Twelfth Night," 8 p.m., Playhouse Theatre.
Women's fencing, vs. Madison and William Paterson, 9 a.m.
Men's and Women's gymnastics, 8 p.m., Rec Hall.
Men's fencing, vs. Navy, 2 p.m.
Men's basketball, vs. Army, 1 p.m., Rec Hall.
Wrestling, vs. Lehigh, 3:30 p.m., Rec Hall.
Men's swimming, vs. Indiana (Pa.), 3:30 p.m.

Week of Feb. 16

Sunday, February 16

William Dole, saxophone, and Christen Dole, French horn, 8:30 p.m., Music Bldg. recital hall.
Chapel Service, 11 a.m., Music Bldg. recital hall. Bishop Dean T. Stevenson, Episcopal Bishop of Central Pennsylvania, Harrisburg.
Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

Monday, February 17

Philip Deltra, piano recital, 8:30 p.m., Music Bldg. recital hall.
USG Senate meeting, 7:30 p.m., HUB assembly room.
OTIS meeting, 6:30 p.m., Room 203 HUB.
Men's basketball, vs. Colgate, 8 p.m., Rec Hall.

Tuesday, February 18

Gallery Talk, "Carlo Fontana and the Jesuit Sanctuary at Loyola," Dr. Helmut Hager, 10:30 a.m., Museum of Art.
ARHS meeting, 7:30 p.m., Room 203 HUB.
Senate Council meeting, 2:10 p.m., Room 101 Kern.
Women's bowling, vs. Maryland, 3:30 p.m.
Women's swimming, vs. Maryland, 4 p.m.

Wednesday, February 19

Penn State Brass Chorus, 8:30 p.m., Music Bldg. recital hall.
Men's fencing, vs. Lafayette, 3:30 p.m.
Commonplace Theatre, "What's Up, Tiger Lily?" 7 and 9 p.m., Room 112 Kern.

Thursday, February 20

Artists Series films, Paul Robeson, "Emerson Jones," 8:30 p.m., Schwab.
Women's basketball, vs. Millersville, 3 p.m.

Friday, February 21

Artists Series films, Paul Robeson, "Song of Freedom," 8:30 p.m., Schwab.
Free U. Jammy, 7:30 p.m., HUB ballroom.
Round and Square Dance Roundup, 7:30 p.m., White Bldg. south gym.
Commonplace Coffeehouse, 8 p.m., Room 102 Kern.

Saturday, February 22

Artists Series films, Paul Robeson, "Jericho," 8:30 p.m., Schwab.
PSU Chapter Phi Delta Kappa, Ladies Night, dinner and dance, Banquet, Nitany Lion Inn, 6:30 p.m., dance, 8:30 p.m.
Men's fencing, vs. Brocklyn, 2 p.m.
Men's basketball, vs. Pittsburgh, 8 p.m., Rec Hall.

Week of Feb. 23

Sunday, February 23

Karen Bundy, soprano recital, 3:30 p.m., Music Bldg. recital hall.
Artists Series films, Paul Robeson, "Proud Valley," 8:30 p.m., Schwab.
Chapel Service, 11 a.m., Eisenhower Chapel, Rev. Charles L. Coleman, Program Director of Religious Affairs.
Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

Monday, February 24

Romond Page, violin recital, 8:30 p.m., Music Bldg. recital hall.
College of Education Student Council meeting, 7 p.m., Room 365 Willard.
OTIS meeting, 6:30 p.m., Room 203 HUB.

Tuesday, February 25

ARHS meeting, 7:30 p.m., Room 203 HUB.
College of Liberal Arts faculty meeting, 3:30 p.m., Room 121 Sparks.

Wednesday, February 26

Composers' Concert, 8:30 p.m., Music Bldg. recital hall.
Last day for signing Winter Term Emergency Loans.
Classes end.

Thursday, February 27

Final examinations.

Friday, February 28

NCAA Eastern Independent Wrestling Tournament, Rec Hall.
NJAA Swimming Championships, Natatorium.
Final examinations.

Saturday, March 1

Final examinations.
Women's rifle, vs. Kutztown, 2 p.m.
NCAA Eastern Independent Wrestling Tournament.
NJAA Swimming Championships, Natatorium.

Sunday, March 2

Residence Halls close for Winter Term, 3 p.m.

Saturday, March 8

Commencement, 10:30 a.m. Rec Hall.

Calendar

Dec. 5-15, 1974

Meetings

Wednesday, Dec. 11 — Joint meeting, Penn State American chapter, Society for Metals and American Foundrymen's Society, 7:30 p.m., Room 21 Deike. Dr. John M. Samuels, Jr., on "Low Pressure Die Casting of Ferrous Metals."

Wednesday, Dec. 11 — Central Penna. chapter, Association of Computing Machinery, 8 p.m., Room 102 Kern. David M. Smith, Exon Mathematics and Systems, on "Data Processing in the Time Period, 1980-85."

Colloquy lectures

Colloquy will sponsor a series of three lectures next week, all related to the comics and cartoons. Three speakers will discuss various aspects of the comics craze. On **Monday, Dec. 9**, at 8 p.m. in Schwab Auditorium, Stan Lee, publisher of Marvel Comics, will speak on "The Marvel of Marvel." Lee has been the creative guide of Marvel Comics, which sells more than 70 million magazines yearly, for three decades.

Thursday, Dec. 12, at 8 p.m. in the HUB ballroom, Jim Dobbins, editorial cartoonist for the Boston Herald who has received two Freedom Foundation grand prizes and 13 Freedom Foundation honor medals for his caricatures, will speak on "Caricatures and Cartooning Today."

And finally on **Friday, Dec. 13**, at 8 p.m. in University Auditorium, Vaughn Bode, cartoonist for National Lampoon, will speak on "Bode's Cartoon Concert."

Seminars

Thursday, December 5 — Microbiology, 4 p.m., Room S2 Frear. James P. Hollis on "Use of Corbin-13 NMR Spectroscopy and ¹³C-Enriched Precursors in Biosynthetic Studies."

Thursday, December 5 — Meteorology, 3:55 p.m., Room 26 Mineral Sciences. Dr. Albert K. Blackadar, "A Simple Model of the Atmospheric Planetary Boundary Layer."

Thursday, Dec. 5 — Chemistry, 12:45 p.m., Room 333 Whitmore. T. Oka, National Research Council, Ottawa, on "High Resolution and High Sensitivity Spectroscopy Using Infrared Lasers."

Thursday, Dec. 5 — Computer Science, 4 p.m., Room 325 Whitmore. Dr. Robert P. Daley, University of Chicago, "On the Interference of Optical Descriptions."

Friday, Dec. 6 — Joint seminar, Acoustical Society of America and Engineering Acoustics, 4 p.m., Room 173 Willard. Herbert Uberall, physics, Catholic University of America, Washington, D.C., on "Surface Waves in Solids."

Monday, Dec. 9 — Genetics, 3:55 p.m., Room 111 Life Science. Horst Waisenger, Institute for Forest Planning, West Germany, on "Poplar Breeding and Silviculture in Central Europe."

Tuesday, Dec. 10 — Sensitivity Modeling, 1:15 p.m., Room 351 Moore. Dr. Merrill Noble, on "Experiments on Serial vs. Parallel Processing of Information."

Tuesday, Dec. 10 — Chemical Engineering, 3:45 p.m., Room 105 Fenske. Roger B. E. Franks, E. I. duPont de Nemours & Co., on "Practical Application of Dynamic Computer Simulations."

Tuesday, Dec. 10 — Operations Research, 3:45 p.m., Room S-131 Human Development. Dr. Peter J. Buehler, "Attitudes Toward Risk and the Theory of Expected Utility Maximization."

Wednesday, Dec. 11 — Ceramic Science, 11 a.m., Room 301 Mineral Industries. Dr. Eugene W. White, on "Quantitative SEM Characterization of Particles, Microstructures, and Fracture Surfaces."

Thursday, Dec. 12 — Physics, 3:45 p.m., Room 17 Osmond. Barry Voight, geology, on "Large Scale Disruptive Phenomena in the Rocky Mountains."

Thursday, Dec. 12 — Statistics, 4 p.m., Room 69 Willard. Joseph W. McKean, on "Tests of Hypotheses in the General Linear Model Based on Ranks."

Thursday, Dec. 12 — Acoustics, 4 p.m., Room 67 Willard. Dr. J. Robert Ashley, electrical engineering, University of Colorado, Colorado Springs, on "Signal Flow Graphs and State Variable Analysis of Electroacoustic Transducers."

Thursday, Dec. 12 — Meteorology, 3:55 p.m., Room 26 Mineral Sciences. Dr. Michael Hantel, University of Bonn, on "A Stream Function Representation of Zonally Averaged Atmospheric Transports."

Thursday, Dec. 12 — Chemistry, 12:45 p.m., Room 333 Whitmore. R. K. Skogerboe, Colorado State University, on "Atomic and Molecular Excitation with Microwave Induced Plasmas."



Arts in Series

On the **Arts in Series Saturday, Dec. 7**, at 3 and 8:30 p.m., the four lead actors above — Edward Mulhern, Ricardo Montalban, Myrna Loy, and Kurt Kasznar — will do G. S. Shaw's "Don Juan in Hell." Tickets for the afternoon performance are currently on sale at the HUB desk and at the University Auditorium where the performance will be given.

Mentzer named

Dr. John R. Mentzer, professor of engineering science, has been named head of the Department of Engineering Science and Mechanics. He has served as acting head of the department since it was created in July, combining the engineering science program and the Department of Engineering Mechanics. Previously he had served as head of the engineering science program. A member of the University faculty since 1954, he received the bachelor of science and master of science degrees in electrical engineering from Penn State and the doctor of philosophy degree in physics from Ohio State University.

Staff vacancies

University faculty or staff members who are interested in any of the staff exempt or staff non-exempt jobs listed below may apply by calling Employment Division, 865-5387 (Network Line 475-1387). Do not contact the area having the vacancy. Applications will be accepted until 5 p.m.

THURSDAY, DECEMBER 12, 1974
LEAD PROGRAMMER, MEDICAL COMPUTER CENTER — Hersey Medical Center

Responsible for the development and control of the hardware programming and project leader within the specifications of the project schedule. Participate in project organization and scheduling. Perform the duties of programmer as required. Bachelor's degree or equivalent and four to eight years of effective experience in programming is required. A demonstrated ability to provide leadership to programmers or to work independently is also required.

SUPERVISOR, FIRMS DEVELOPMENT CONTROL, CENTRAL SERVICES — Hersey Medical Center
Responsible for the development and control of a firm's system for the institution and for developing and maintaining economics in term usage. An associate degree in the field of systems analysis or its equivalent. Should have two to three years experience of firms development, control, systems and inventory.

COORDINATOR, COMPUTER CENTER — Capital Campus

Responsible for the effective and efficient operation of the Computer Center. Recruit, train and supervise the Computer Center employees. Assist faculty in the development and control of computer programs. Coordinate campus computer work with University Park locations. Reports to Oregator, Computer Services. Bachelor's degree in Computer Science or equivalent to four years of college level training with organized training IBM computer systems, plus over two years and up to and including four years of effective experience.

ADMISSIONS AND FINANCIAL AID COUNSELOR — Capital Campus

Inform and advise present and potential undergraduate and graduate students on types of financial aid available and procedures for obtaining same. Coordinate Work-Study and On Campus Employment Program. Process various State and Federal student aid forms. Reply to correspondence and telephone inquiries and interview applicants for admission. Bachelor's degree or equivalent with four to six years current experience.

THE UNIVERSITY IS AN EQUAL OPPORTUNITY EMPLOYER

HUB specials

Monday, Dec. 9 — Lunch, hot roast meat sandwich, \$1.07; dinner, beef stew, \$1.25.

Tuesday, Dec. 10 — Lunch, scalloped ham and cabbage, \$.89; dinner, roast turkey with dressing, \$1.66.

Wednesday, Dec. 11 — Lunch, soup and double beefburger with cheese, \$1.29; dinner (International Candlelight), stuffed Italian shells, \$1.27.

Thursday, Dec. 12 — Lunch, meatball sandwich, \$1.00; dinner, Maryland chicken cake, \$1.29.

Friday, Dec. 13 — Lunch, soup and fishhead, \$1.05; dinner, baked chicken, \$1.29.

Saturday, Dec. 14 — Lunch, chili con carne, \$1.64; dinner, meatloaf with potato bake, \$.80.

Sunday, Dec. 15 — Lunch, spaghetti with dressing, \$1.71; supper, Swedish meatballs, \$1.12.

ETS test changes

New procedures for the administration of the Graduate School Foreign Language Tests (GSFLT) have become necessary to accommodate changes in test administration initiated by Educational Testing Services, Princeton, New Jersey.

It should be noted that application dates and test dates, set by Educational Testing Services, differ from those published in the 1974-75 Graduate School Bulletin.

For the test date February 1, 1975, the application closing date is December 19, 1974; for the April 12, 1975 test date, March 7, 1975, is the closing date; and for the June 28 test date, May 23 is the closing date.

Applications for tests may be obtained at the Office of Examination Services, 207 Michell Bldg., University Park. The test fee is \$12.00, payable at the time of application. Times and places of tests will be announced when the test application is filed.

Christmas mail

During the time that offices are closed (at University Park Campus) for the Christmas period, 5 p.m. Friday Dec. 20 to 8 a.m. Friday Dec. 27, Interdepartmental mail service and U.S. mail service will be suspended.

However, if a department has a special need for delivery of incoming U.S. mail on Dec. 23, 24 and 25, please call University Mail Service, 665-5602, before 5 p.m. Dec. 13, so that arrangements can be made with U.S. Postal Service for delivery.

A department requesting this service is responsible: (1) for assigning an employee to be at work in the building at a specified time to receive the mail; and (2) for receiving all incoming mail for the building in which the department is housed. This is required because U.S. Postal Service sorts incoming mail by building, not by department.

Data processing at ACM meeting

David M. Smith, of Exon Mathematics and Systems, will speak on "Data Processing in the time period 1980-1985" at the second meeting of the Central Pennsylvania Chapter of the Association of Computing Machinery on Wednesday, December 11, at 8:00 p.m. in Zoller Gym.

Smith is a consultant in the Computer Sciences and Training (CST) Function of Exon Corporation's Mathematics, Computing and Systems Department, where he is responsible for the technological forecasts in computing and long range planning. Other duties include evaluation and selection of hardware. He is best known for his work in the design and/or implementation of major linear programming systems for the IBM 705, 7090/44, System 360, the GE 600 series, and the CDC 6600 series computers while working with small independent quality of service firms. Mr. Smith is a past president of SHARE Inc., and was the initial chairman of the SPARC Study Group on Data Base Systems for the American National Standards Institute (ANSI).

SENATE—

(Continued from page one)
necessary for the test batteries and essential for determining changes in the preparation testing and counseling program. Such programmatic research is also needed to enable OUS to carry out its evaluative mission and to assess fully the quality of existing programs. OUS at present does not have adequate support in this area. The Subcommittee is aware that the Academic Affairs Committee has discussed academic research support organization and urged the Academic Affairs Committee to proceed with this matter as quickly as possible.

Other items which the Subcommittee has not yet discussed but which are included on its agenda are:

5) The establishment of Academic Information Centers in each of the Colleges at University Park should be achieved as quickly as possible. The appointment of Undergraduate Studies Consultants in most of the Colleges has been initiated. At the Commonwealth Campuses, however, the progress in establishing such centers has not been altogether encouraging and OUS representation through sufficient number of advisors at more than one campus has been inadequate. Without sufficient staff, Centers cannot be established and cannot function.

NEWS—

(Continued from page one)

service sorrowfully have held sales in front of the People's National Bank downtown before each home football game, with a final sale just before Christmas, to raise money for local charitable groups. Virtually all of the members are members of the University staff or faculty (although this is not a requirement for membership) and they do all the work of preparing cookies, sandwiches (their hoagies are famous) coffee and other drinks, etc. Easter Seals and Meals on Wheels benefited from last year's sales. They will be on hand Dec. 14 from 10 a.m. to 2 p.m.



Honored

The College of Agriculture and the Coopers Extension Service, through Letard H. Bull (past assistant director of Extension, honored Robert W. Boyer, right, managing editor of the *Altoona Mirror*, presenting him with a certificate of appreciation for his outstanding service and contributions to the programs and objectives of the College.

ALARD CONCERT

The Alard String Quartet's concert Wednesday, Dec. 11, will include Mozart's "Quartet in D Minor," the "Voices Inland" by Sibelius, and a 1954 sextet by Jon Orrego-Salas, to be performed with John Toulson, clarinet, and Philip Dettra, piano. The concert is at 8:30 p.m. in the Mads Bldg. recital hall.

PIANO RECITAL

Steven Smith, assistant professor of music, will feature works by Schumann, Mozart, Chopin and Barber in his recital Monday, Dec. 9, at 8:30 p.m. in the Mads Bldg. recital hall.

PENN STATE SINGERS

The Penn State Singers will present their annual Christmas program Saturday, Dec. 14, in Schwab Auditorium at 8:30 p.m., but a special open dress rehearsal has also been scheduled, for Friday, Dec. 13, at 7 p.m. in the auditorium. Bach's "Magnificat" will be performed with four guest soloists and a chamber orchestra composed of members of Musica da Camera and music faculty and students. Christmas carols will also be sung.

ART SHOW AND SALE

The annual Student Art Show and Sale is planned by students in the art department for Dec. 9 through 14 in Zoller Gallery in the Visual Arts Bldg. Graduate and undergraduate students from the departments' print-making, photography, sculpture, painting, ceramics, and graphic design areas are expected to exhibit works and offer them for purchase.

6) The responsibility of OUS in advising student requires clarification: For which adjusted students does OUS have responsibility? What academic standards apply? Should a pre-enrollment testing and counseling program be developed for adjusted students to provide a data-base upon which to evaluate abilities, aptitudes and interests? What policies should OUS follow in regard to the admission of adjusted students to degree programs? These and related questions are ones which the Subcommittee must raise in trying to clarify the role of OUS in advising students.

7) The Subcommittee has endorsed the concept of periodic evaluation of undergraduate academic advising. OUS was given this specific responsibility at the time the Division was established but carrying out such a function requires additional resources.

The Subcommittee is convinced that OUS is serving the needs of growing numbers of students. The enrollment of nearly 1,500 students in OUS is a time of decision on a particular major. We believe OUS can perform its services better than most its objectives completely as the above items receive attention and appropriate action.

W. L. Kopp
Chairman

PENN STATE intercom

Volume 4, Number 15

December 12, 1974

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

News in brief

GYM MEET TICKETS

Tickets for the gymnastics meet January 24 and 25 between a selected U.S. team and a West German team will go on sale Sunday, Dec. 15, at noon in Room 237 Rec Hall. Reserved seat tickets are \$8, which covers both evenings of competition.

SINGERS CONCERT

Christmas "Magnificat" to carols, will be sung by the Penn State Singers Saturday, Dec. 14 in Schwab Auditorium, at 8:30 p.m. An open dress rehearsal will be held Friday at 7 p.m. at the same location. The 48-voice group is directed by Raymond Brown, associate professor of music, who is director of the University Choirs, which has also planned a series of carol concerts in the residence halls Dec. 16, 17 and 18, appearing in five areas in the three evenings. Also, a service of scriptural lessons and carols will be conducted by the All-Faith Choir Sunday, Dec. 15, in the Music Bldg. recital hall. No tickets are required for any of these programs and services which are open to everyone.

GLEE CLUB, BRASS CHORALE

An afternoon of family Christmas music will be played and sung Sunday, Dec. 15, in the Music Bldg. recital hall, with the Penn State Glee Club, directed by Bruce Trinkley, and the Brass Chorale, directed by James Benshoof, providing the music. Traditional carols, two Christmas works by Charles Ives, and two Christmas suites arranged by Trinkley will be featured.

GAMES CLASSES

The College of Health, Physical Education and Recreation will once again offer games and gymnastics classes for children of staff, faculty and other State College area residents during the Winter Term.

Beginning Thursday, Jan. 9, the classes will be given each Thursday from 4 to 5 p.m. in the White Building. Children in kindergarten through fourth grade are invited.

Registration for the class will be held on the first day of class in White Bldg.

GIFT IDEA

You may find a gift suggestion in the Art Student Shop and Sale, Dec. 12-14, and Art Faculty Shop and Sale, Dec. 17-20, in the Zoller Gallery. At moderate prices, ceramics, photography, sculpture, painting, printmaking, and graphic designs will be on sale between 8 a.m. and 5 p.m. (except Saturday, Dec. 14, 8 a.m. to noon.)

NITTANY LION INN

Food service at the Nittany Lion Inn will be closed in the Christmas recess period from Sunday, Dec. 22, to Wednesday, Jan. 1.

FRENCH FILM SERIES

The first in a series of French films will be shown Monday, Dec. 16, at 7 and 9 p.m. in Room 102 Forum. It is the highly acclaimed film "Jules and Jim." The films are sponsored by the French Department. A donation of 75 cents will be accepted.

ALTOONA EXHIBIT

Two members of the art department at the Altoona Campus, associate professor Ken Kuhn and assistant professor Roger Zellner, are currently exhibiting their work in the Campus's Iydsie Gallery. The display of wall relief and ceramics will continue until Dec. 31. The Blair County Arts Foundation, the Office of Student Affairs, and the Department of Art are co-operating in the exhibit.

MEM CHAMBER SHOW

The multi-media presentation of the documentary "On the Road to Dismal Ferry," which was given in the MEM Chamber in the HUB recently, will return for a second run Wednesday and Thursday, Dec. 18-19. The show will be given hourly from 10 a.m. to 10 p.m. in the HUB ballroom, to accommodate many who were unable to see the show previously.

ENGINEERING SCHOLARSHIPS

Scholarships and grants-in-aid from the Foundry Educational Foundation have been given to sixteen engineering students; the awards were made at a banquet honoring the students recently. The Foundation, composed of representatives from industry and college faculties, promotes the interests of the foundry industry through special programs at colleges throughout the country.

COLLEGE VISITATION

The Beaver County Council of Higher Learning, which includes Penn State's Beaver Campus in its membership, initiates a "College Visitation Days" program today (Dec. 12). High school seniors from Ambridge, New Brighton and Hopewell, in Western Pennsylvania, will visit either the Beaver Campus, the Community College of Beaver County, or Geneva College to observe and participate in an actual classroom session or a seminar with faculty and administrators, then take part in evaluative sessions and question-answer periods.

WHY NUCLEAR POWER?

John Gordon, of the Westinghouse Water Reactor Division, will speak on "Electrical

Energy Alternatives — "Why Nuclear Power?" at the December meeting of the Central Pennsylvania Section of the Institute of Electrical and Electronic Engineers on Monday, December 16, at 7:30 p.m. in 115 Electrical Engineering-West Building.

He will speak to the question — Do we really need additional electrical generating facilities? And, if yes, what are the alternatives facing our electric utilities? Gas, oil, coal, nuclear fission, solar, hydro-electric and geothermal power sources will be discussed, with emphasis placed on solar and offshore nuclear electric generating plants.

NEW KENSINGTON EXHIBIT

A display of woodcuts by Japanese-born artist Naoko Matsubara will continue at New Kensington Campus through December. Her prints are in many private and public collections, including the Carnegie Institute, Philadelphia Museum of Art, The White House, the Boston Museum of Art and the United Nations. She has had many one-woman shows in this country, Canada, Europe, and Japan.

YORK AWARD

For the second time in as many years, the York Campus has been cited for outstanding service in promoting equal opportunity in employment of the handicapped.

The York County Committee for Employment of the Handicapped, in cooperation with the Industrial Management Club of York County, has recognized the campus's support with a special citation signed by presidents of both organizations.

Commenting on the citation, which recognizes employees hired through the physical plant, York Campus business manager Voni B. Grimes said, "These citations further illustrate the York Campus's continued efforts to provide employment opportunities for handicapped persons and those from minority groups."

LEGION GIVES ASSISTANCE

A professional service officer of the American Legion is on campus (University Park) today to give assistance to veterans, widows and dependents of veterans, and to provide information about benefits, government insurance, Pennsylvania bonus, and other matters. The Legion provides the service without charge, and no appointments are needed. The service officer will be in the HUB from 10 a.m. to 4 p.m.

SLIDE SHOW

A selection of slides from some 7,000 taken by students in the Foreign Studies Program in Architecture during the Spring

(Continued on page four)

High energy costs worry University

Faced with sharply rising fuel and energy costs, President John W. Oswald this week asked the cooperation of all University personnel in conserving fuel and electricity, in a letter which reads:

"Approximately one year ago I wrote you outlining a series of steps to be taken to conserve fuel during a period of extreme fuel shortages. Those steps included: (1) lowering the maximum daytime temperature in University buildings to 68°F with even lower nighttime and weekend settings where possible, (2) setting temperatures in infrequently used buildings at 50-55°, (3) refraining from opening of windows to relieve overheating during the winter, (4) avoiding the use of portable heaters, and (5) setting a maximum speed of 50 m.p.m. in the use of University-owned motor vehicles.

"Through your cooperation, the University was able to effect a savings in fuel costs estimated to be between \$300,000 and \$400,000.

"We are now faced with the need to conserve energy for an entirely different reason; that of fiercely rising fuel and energy costs. During the past 18 months the price of coal has risen from the \$8.00-\$10.00 per ton range to about \$35.00 per ton (we burn approximately 50,000 tons per year); number 2 heating oil has increased 20 cents per gallon (we burn a million gallons per year); natural gas has risen 13 cents per thousand cubic feet (we burn 400,000 MCF per year); and electricity has risen from less than one cent to 2.14 cents per kilowatt-hour (we consumed over 120,000 kilowatt hours last year).

"The result of all this is an anticipated increase in fuel and electricity costs of over three million dollars in 1974-75. This is based on present costs and does not reflect the higher costs of coal and electricity which will result from the recent coal miners' contract settlement.

"It is obvious we must all work together to reduce further the consumption of fuel and electricity.

"During the past year, the majority of suggestions regarding ways to conserve energy were originated by the Office of Physical Plant Energy Conservation Committee (OPPECC). They were responsible

(Continued on page four)

CHRISTMAS CARDS

A few University Christmas cards remain for sale at 18 cents each, with envelope, and may be obtained from the Department of Publications, Room 215 Wagner Bldg. They may be ordered, in small or reasonably large quantities, by telephone (865-1327) or by mail, and they may be purchased through petty cash or I.D.T.

CHRISTMAS MAIL

Departments are reminded that the deadline for making arrangements to obtain mail deliveries during the Christmas period (specifically Dec. 21-Dec. 26) is tomorrow (Friday, Dec. 13) at 5 p.m. Referring to INTERCOM, Dec. 5 issue, it is noted that both U.S. Mail and Campus mail deliveries will be eliminated in that period unless special arrangements are made.

SCHEDULE

INTERCOM will be issued December 19, then suspend operations until the Jan. 9 issue. It is suggested that information concerning events in the first week of classes in January be included in the Dec. 19 issue; the information should be sent to the Editor, 312 Old Main, immediately.

Libraries begin management review program

The University Libraries have embarked on a searching management review and analysis program to increase their effectiveness in meeting faculty and student teaching and research needs.

The year-long study, which will involve a broad cross-section of staff, will also help the Libraries to make maximum use of available resources, according to Stuart Potts, dean of the Libraries.

An eight-member team has been appointed to lead the self-study of management policies and practices. Its chairman is Dr. Edward R. Johnson, assistant dean of Libraries for technical operations.

Other members are: Barbara Burke, monograph acquisitions assistant; Dr. Ronald L. Filippelli, historical collections and library architect; William E. Hepler, serials order librarian; Emilio T. McWilliams, earth and mineral sciences librarian; Marjorie F. Quigley, Altoona Campus librarian; Dr. Robert M. Smith, assistant provost; and Cordelia W. Swinton, lending services librarian.

The study is being made under the supervision of the Association of Research Libraries' Office of University Library Management Studies, which developed the management review program. Thus far, 14

academic libraries have completed the program. Penn State's self-study is being undertaken in connection with six other university libraries, including Utah, Indiana, Massachusetts, Toronto, Kentucky and the University of California at Los Angeles.

Training and orientation sessions for task forces from these institutions are provided bi-monthly by the Office of University Library Management Studies.

"Since most university libraries have essentially the same problems, we can gain a lot by talking together and comparing solutions," Dr. Johnson points out.

(Continued on page four)



Dr. Wilbur W. Ward (center above) was one of many to receive the 25-Year Service Award from College of Agriculture Dean, Dr. James M. Beattie. Dr. Ward, director of the School of Forest Resources and professor, received both bachelor's and master's degrees at Penn State (end doctor of forestry from Yale), and he joined the staff as instructor in 1948. He became a full professor in 1955, having in the meantime served as resident director of Mont Alto branch (1953 to 1959). His teaching has been primarily in the area of dendrology and melioration; his research has focused on forest management. He has been Penn State's representative to the Forestry Consortium of Universities at the Pinchot Institute. Dr. Weller I. Thomas, associate dean of the College, is at left.



Dr. John S. Boyle (second from left above) is professor of plant pathology who for many years was the only plant virologist in Pennsylvania and, as Dean Beattie (right) pointed out at the Awards ceremonies, has developed an uncanny ability to view a virus disease symptom once and recall it many years later when exposed to it. Many vegetable crop growers have come to depend on him to solve their virus problems. Dr. Boyle pioneered in work in mechanical transmission of viruses from woody to herbaceous hosts and has contributed greatly to the knowledge of a variety of virus problems in fruits and vegetables. With him in photo is his wife, Nellie, and (at left) Dr. J. R. Bloom, assistant head of the department of plant pathology.



James M. Eskin, Jr., (second from right, next to Dean Beattie), is professor and chairman of agronomy extension who came to Penn State in July, 1949, as assistant professor to develop and establish a soil testing laboratory. He also established a soil test pilot farm, now a unit demonstration term program which involves more than 100 farms in 14 counties and is carried out in cooperation with the Tennessee Valley Authority. He has devoted much of his efforts in the past years to the lime and fertilizer programs, in cooperation with industry. He was honored by the American Society of Agronomy in 1970 by being named Fellow. With him are his wife Peggy and (at left) Dr. Thomas B. King, associate dean for Extension in the College of Agriculture.



Louise W. Hamilton, professor of foods and nutrition extension, has been an extension specialist for more than two decades, and through leaflets, circulars, 4-H projects, correspondence courses, and talks, she has been a leader in the State in nutrition work. She has been responsible for a major nutrition program, the Expanded Nutrition Education Program, since 1969, reaching more than 46,000 families and youth in 1973. She has been a leader in the American and Pennsylvania Dietetic Associations, and locally she has been a leader as well in the Meals-on-Wheels program and Centre Area Health Council, and other programs. With her are Dr. King (left) and Dean Beattie.

Edith J. Resler, center, flanked by Dean Beattie and Catherine E. Holt, assistant director of Agriculture Extension, is Extension home economist and since 1950 has assisted the adults and youths of Potter County in a variety of ways. She began her University service as assistant home economist in Somerset County, transferring a year later. She initiated the Expanded Nutrition Program in Potter County and in recent years has worked closely with the local salable craft group. She has had preschool radio programs for young children and aided senior citizen groups. She is a graduate of Wheeling College. In 1946 she received a distinguished service award from the national Extension Association.



Service Awards in Agriculture



Robert F. Fletcher, professor of vegetable crops extension, with his wife Madelyn, and (at left) Dr. R. H. Hepler, head of the horticulture department, earned both B.S. and M.S. degrees from Penn State. He has been honored often for his work in vegetable crops, including receiving the Carl S. Bittner Award of the American Society of Horticulture Science in 1971. He has been instrumental in the development of cultural systems for the mechanization of vegetable crops.

Francis C. Turner, with the Service Award plaque, began his University career in 1949 as assistant county agent in Tioga County, developing 4-H programs, working on an animal health education and lamb marketing program and assisting in community development programs. He became Area Community Resource Development Agent in 1958. He is a Penn State graduate, receiving a Master's degree from the University of Arizona. With him are Dean Beattie (right), Dr. King (left) and Dr. John W. Bergstrom, assistant director.



Dr. George P. Barron, Jr., seated, is director of the Pesticides Research Laboratory and of the Graduate Study Center. Standing above, are his wife and Dr. Richard G. Cunningham, vice president for research and graduate study. Dr. Barron joined the faculty as instructor in October, 1948, attaining full professor status in 1964. He was head of Foods and Nutrition department from 1963 to 1968. He has conducted research in protein, energy and mineral metabolism.



Dr. Kenneth R. Bennett, shown with his wife Evelyn, Dean Beattie (right) and Dr. William M. Smith, professor of rural sociology, came to Penn State in November, 1949, as Experiment Station horticulturist. He is now professor of agricultural economics and has taught courses in both statistics and agricultural pricing, and has been advisor to many graduate students. With him are Dean Beattie (right), Dr. King (left) and Dr. John W. Bergstrom, assistant director.



Dr. Grant W. Sherritt, associate professor of animal science, is congratulated by Dean Beattie, with animal science department head Dr. B. R. Baumgardner in ceremony. Dr. Sherritt came to Penn State in 1949 to work on a swine project, continuing his graduate studies here and receiving a Ph.D. in 1961, when he was named assistant professor. Since then his swine research has emphasized breeding and management and he has been a teacher and advisor.



Leland H. Bull, assistant extension director, Southern Allegheny Region, (seated) was deputy secretary of agriculture, 1955-58, during the Leader administration, served in Extension 1958-63, was secretary of Agriculture under Gov. Scranton and Gov. Shiflet, returning to the campus in 1971 as special assistant to the dean of Agriculture. He joined the Extension Service originally in 1937, just after graduation, serving as assistant county agent and then from 1948 to 1955 as Centre County agent. With him at the ceremony for his service award were his wife Helmut and Dr. King.

Clarence E. Craver, McKean County Agent, with his wife Pauline (left) and Catherine Holt, assistant director of Extension, began his service in Lancaster County as assistant agent, transferring to Blair County in 1954, and to McKean County in 1956, as agent. He has won a number of awards for his work in mass media, with radio and television programs and weekly newspaper columns. He has been particularly interested in the swine mastitis problem in his county and in lime-fertilizer programs.



Dr. E. Brewer Hale, seated, professor of animal behavior, came to the campus as assistant professor of animal behavior in the department of poultry science, in 1949. He has since become a full professor, has served as assistant to the vice president for research for five years, and as assistant dean of the Graduate School for three years. His research has dealt with the sociobiology of domestic animals and he has taught many courses, ranging from comparative psychology to animal behavior. With him in the photo are his wife Vinette, and Dr. Kenneth Goodwin.

University Park Calendar

December 12-22, 1974

Items to be included in this calendar should be sent to the editor, Room 312 Old Main, by Thursday of the week preceding publication.

SPECIAL EVENTS

Thursday, Dec. 12 — VSC, 7 p.m., Reading Room, HUB. Lecture, recruiting for Laureate State School and Hospital.

Thursday, Dec. 12 — International Festival, Christmas workshop, 12 noon, lobby Kern.

Thursday, Dec. 12 — Colloquy, "On Com-ick," 8 p.m., HUB ballroom. Jim Dobbins, Boston Herald, on "Caricatures and Cartooning Today."

Thursday-Friday, Dec. 12-13 — "Europe 74, A Slide Odyssey, 8 p.m., HUB main lounge; 50-minute color-slide show of European culture, produced by students in Foreign Studies Program in architecture.

Friday, Dec. 13 — Colloquy lecture, 8 p.m., University Auditorium. Vaughn Bode, Na-

tional Lampoon, on "Bode's Cartoon Concert."

Friday, Dec. 13 — Commonsplace International Coffeehouse, 8 p.m., Room 102 Kern.

Friday, Dec. 13 — International Festival, International talent, 12 noon, lobby Kern.

Friday, Dec. 13 — Penn State Singers Christmas Concert, dress rehearsal, 7 p.m., Schwab.

Saturday, Dec. 14 — Penn State Singers Christmas Concert, 8:30 p.m., Schwab. Program: Bach's "Magnificat," carols, with guest vocal soloists and instrumentalists.

Saturday, Dec. 14 — Sports: Wrestling, vs. Indiana State, 8 p.m., Rec Hall. Men's swimming, vs. Lehigh, 2 p.m., Natatorium.

Saturday-Sunday, Dec. 14-15 — Madrigal Dinner, 6:30 p.m., Room 102 Kern.

Sunday, Dec. 15 — Penn State Glee Club and Brass Chorus Christmas Concert, 3 p.m., Music Bldg. recital hall. Traditional Christmas carols, works by Charles Ives, and two suites arranged by Bruce Trinkle.

Sunday, Dec. 15 — Chapel Service, 11 a.m., Music Bldg. recital hall. University Choir's Christmas music, Tommie Irwin, director.

Sunday, Dec. 15 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

Monday, Dec. 16 — Shirley Foster Donovan, soprano recital, accompanied by Marcus Chubbuck, a program of works by Faure, Strauss, Duparc, Puccini and others.

Tuesday, Dec. 17 — Artists Series film, Ingmar Bergman, "The Seventh Seal," 8:30 p.m., University Auditorium.

Tuesday, Dec. 17 — College of Business Administration Christmas party, 7:30 p.m., HUB lounge.

Wednesday, Dec. 18 — Claremont Woodwind Quintet and Alard String Octet, 8:30 p.m., Music Bldg. recital hall.

Wednesday, Dec. 18 — Special Advent devotional service, 12 noon to 12:30 p.m., Eisenhower Chapel. The Christmas story according to Luke.

Friday, Dec. 20 — Round and Square Dance Roundup, 7:30 p.m., White Bldg. south gym.

Friday, Dec. 20 — Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

SEMINARS

Thursday, Dec. 12 — Population Issues Research, 12 noon (bag lunch), Room 265 Willard. Richard A. Helman, U.S. Senate Committee on Public Works, on "National Growth, Environmental Quality, and Governmental Policy."

Thursday, Dec. 12 — Agronomy, 3:45 p.m., Room 111 Tyson. Donald Henninger, on "Delineation of Floodplains using Aircraft Multispectral Scanner Data."

Thursday, Dec. 12 — Physics, 3:45 p.m., Room 117 Osmond. Barry Voigt, geology, on "Large Scale Disordering Phenomena in the Rocky Mountains."

Thursday, Dec. 12 — Statistics, 4 p.m., Room 69 Willard. Joseph W. McKean, on "Tests of Hypotheses in the General Linear Model Based on Ranks."

Thursday, Dec. 12 — Engineering Acoustics, 4 p.m., Room 67 Willard. Dr. J. Robert Ashley, electrical engineering, University of Colorado, Colorado Springs, on "Signal Flow Graphs and State Variable Analysis of Electroacoustic Transducers."

Thursday, Dec. 12 — Philosophy, 4 p.m., Room 167 Willard. Alfonso Gomez-Lobe, University of Puerto Rico, on "Plato's Description of Dialectic in the 'Sophist,' 233a."

Thursday, Dec. 12 — Chemistry, 12:45 p.m., Room 333 Whitmore. R. K. Skogerboe, Colorado State University, on "Atomic and Molecular Excitation with Microwave Induced Plasmas."

Thursday, Dec. 12 — Anthropology, 3:30 p.m., Room 113 Social Science Bldg. Jeffrey A. Kurland, Harvard University, on "Aspects of Kinship and Kin Selection in Primates."

Thursday, Dec. 12 — Meteorology, 3:55 p.m., Room 26 Mineral Sciences. Dr. Michael Hantel, University of Bonn, on "A Stream Function Representation of Zonally Averaged Atmospheric Transports."

Tuesday, Dec. 17 — Water Pollution Control, 2:20 p.m., Room 124 Sackett. A. Silvio Odasso, Allegheny Ludlum Steel Co., on "Dual Medium Water Filters."

Tuesday, Dec. 17 — Psychology, 1:15 p.m., Room 351 Moore. Dr. Don Trumbo, on "Amphetamines, Barbiturates, and Human Performance."

Wednesday, Dec. 18 — Ceramic Science, 11 a.m., Room 541 Deike. P. K. Gupta, Catholic University, on "Spinoal Decomposition in Glasses."

Wednesday, Dec. 18 — Ecology, 3:55 p.m., Room 101 Electrical Engineering East. Dr. Robert C. Anthony, forestry, on "Ecological Relationships between Mule Deer and White-tail Deer in the Desert Southwest."

Thursday, Dec. 19 — Agronomy, 3:45 p.m., Room 301 Agricultural Administration, William Stout, on "The Role of Magnesium in Human, Animal Nutrition."

Thursday, Dec. 19 — Statistics, 4 p.m., Room 69 Willard. Dr. Shelby J. Haberman, University of Chicago, on "Product Models for Frequency Tables Involving Indirect Observation."

Thursday, Dec. 19 — Chemistry, 12:45 p.m., Room 333 Whitmore. Dr. T. L. Sourkes, McGill University, on "Dopamine and Parkinson's Disease."

Thursday, Dec. 19 — Physics, 3:35 p.m., Room 117 Osmond. Thomas H. Edwards, Michigan State University, on "Acquiring and Processing Spectra by an On-Line Computer."

MEETINGS

Monday, Dec. 16 — Central Pennsylvania Section I.E.E.E., 7:30 p.m., Room 115 Electrical Engineering West. John Gordon, Westinghouse Water Reactor Division, on "Electrical Energy Alternatives — Why Nuclear Power?"

Monday, Dec. 16 — UGS Senate, 7:30 p.m., HUB assembly room.

Monday, Dec. 16 — OTIS, 6:30 p.m., Room 203 HUB.

Monday, Dec. 16 — Gamma Pi Epsilon, Women's Pre-Medical Society, 6 p.m., McElwain Hall piano lounge. Steven Wright on "Medical School Admissions and Interviews."

Tuesday, Dec. 17 — ARHS, 7:30 p.m., Room 203 HUB.

Tuesday, Dec. 17 — Senate Council, 2:10 p.m., Room 101 Kern.

Tuesday, Dec. 17 — Engineering Undergraduate Council, 7:30 p.m., Room 207 Sackett.



David DonTigny, associate professor of art, is one of those preparing for the Art Faculty Show and Sale, Dec. 17-22, at Zeller Gallery. The student show and sale begins today, continues through Sunday.

EXHIBITS

Museum of Art — Living American Artists and the Figure, Galleries A and C. Selections from the Permanent Collection, Gallery B.

Zoller Gallery — Annual art student show and sale, December 12-14. Art faculty show and sale, December 17-20.

Playhouse Gallery — "Scenic Design Reflections," 53 scenic and costume designs by Robert Burroughs and Dennis Sporre, December 9-20.

Chambers Gallery — David DonTigny, ceramics, and George Zorelich, paintings, through December 20.

Hammond Gallery — Second-year architectural students, "Special Constructs," continuing until Dec. 20.

E.J. Anderson dies

Edwin J. Anderson, who retired from the faculty in 1965 as professor emeritus of apiculture, died at his home Tuesday, Dec. 3. He was 74. His teaching career began when he was a freshman at Penn State, when he was engaged to teach World War I veterans. It was the first course in beekeeping to be taught at the University.

He received his bachelor of science degree in 1924 from the University and his master's degree in apiculture from Cornell University the following year. He taught entomology at Clemson College before returning to Penn State in 1926 as an extension specialist worker in beekeeping and entomology.

In 1943 Professor Anderson gave up extension work to become assistant professor of apiculture; he was named a full professor in 1950.

Hershey dedicates Gittlen cancer lab

The Jake Gittlen Cancer Research Lab at The Milton S. Hershey Medical Center was dedicated Nov. 24.

A plaque at the entrance to the laboratory was unveiled by members of the Gittlen family, including Mr. Gittlen's widow, Pauline; his son, Warren; daughter-in-law, and granddaughters, Sharon and Nancy, all of Harrisburg. (Warren was captain of the 1955 Penn State golf team.)

Dr. Harry Prytosky, provost and dean at Hershey, who presided, said, "This is a very meaningful event for several very important reasons. One, of course, is that the funds from the Jake Gittlen Memorial

In Writing

Dr. William A. Steele, professor of chemistry, is the author of "The Interaction of Gases with Solid Surfaces," published by Pergamon Press. It is part of the one hundred volume International Encyclopedia on Physical Chemistry and Chemical Physics.

The third volume in the series on the topic, properties of interfaces, the book contains discussions of the major theories of surface interaction and the properties of the resulting adsorbed films.

In the introduction, Dr. Steele points to "a resurgence of interest in various aspects of surfaces and thin films" due, in part, to increased application of gas-sold theory. Among the areas in which these theories are important are miniaturization, high vacuum techniques, space travel, corrosion studies, and catalysis.

Golf Tournament are contributed to this laboratory and will support significant research into the causes and treatment of cancer. Two, the existence of this laboratory represents a unique tribute to the man whose name it bears for his son has been fit to remember his father in this way, a gesture which speaks well of Jake Gittlen as a father.

"It is a further tribute that his friends at the Blue Ridge Country Club chose to name their tournament in his memory, are willing to spend considerable time and effort to hold the tournament; and, contribute and

(Continued on page four)

Women in the media is topic

Delaware instructor co-author of book

An instructor of journalism at Delaware County Campus is one of 65 contributors to a book entitled "Rooms With No View: A Woman's Guide to the Man's World of the Media," published recently by Harper and Row.

Lynn Martin Haskin is the author of an article entitled "A Media (Pa.) Look at Newspaperwomen," a study of 167 women who work on news and editorial staffs of Pennsylvania's 111 daily newspapers. The article was based on a research study she conducted for a graduate course at Temple University, where she is a doctoral candidate.

The article reports on the discontent and frustration felt by a majority of the women reporters who feel they are paid less than their male counterparts for equal work, have less chance for advancement, and are discriminated against in terms of the kinds of assignments they draw from male editors.

As an example, only two women in Haskin's survey reported that they would refuse to cover "bloody accidents" or "dangerous assignments," while 19 of the male editors indicated they would not assign such stories to a woman reporter.

Haskin's article appears in the "Wide Angle Views" section of the 333-page book. Most of the other pieces were written by women — many anonymous — detailing their experiences as employees in television networks, magazine publishing, newspapers, wire services, and book publishing houses.

The manuscript for the book, originally

scheduled to be published in 1972 by another New York City-based publishing firm, had some problems reaching the printed page, Haskin said. It seems that the publisher's representative assigned to the manuscript — a woman — did not share the decidedly feminist point of view of the contributors, and after many difficulties and differences of opinion, the contract between the Media Women's Association, the compilers of the book, and the publisher was mutually cancelled, she said.

One of the members of the association, who works at Harper and Row, showed the manuscript to editors there and they agreed to publish the book. The articles were updated to include changes which had occurred since 1972, according to the book's editor, Ethel Strainchamps.

Royalties from the book will be donated to KNOW, Inc., a Pittsburgh-based women's cooperative, which had offered to publish the book in condensed form before Harper and Row accepted it.

The book will be used in an experimental course at Penn State entitled "Women and the Media." Haskin developed and teaches the course at the Delaware County Campus, where she has been teaching journalism since 1969.

She has a B.S. in journalism and an M.S. in communications from Temple University and is a former reporter for The Green, a northeast Philadelphia weekly newspaper, and The Doylestown Daily Intelligencer. She is executive vice president of the Philadelphia Professional Chapter of Women In Communications, Inc.



The University Libraries' Management Review and Analysis Program committee includes (seated l. to r.) Cordelia W. Swinton, Edward J. Johnson, Barbara Ouka, Marjorie M. Guley; standing, Robert M. Smith, Ronald L. Filippelli, Emille T. McWilliams, and William E. Hepler.

LIBRARIES —

(Continued from page one)

The review, which was begun in September, will take a year to complete, and implementation is expected to occur a second year. There are seven phases in the study. The first three focus on organization and data-gathering. The study team examines major trends in higher education and their implications for the library. Mechanisms employed by a library to keep abreast of important technological, educational and professional trends are evaluated.

At the conclusion of Phase III, tangible results are expected to include a broad statement of library mission and objectives, statements of long- and short-range concerns for the various library departments and the emergence of staff teams to conduct the self-study.

Time management

A Time Management Seminar for Management will be held Thursday, Dec. 19, at the Conference Center in the J. O. Keller Bldg.

The seminar is for those who plan, organize, staff, and manage projects, and for the executives to whom they report. Types of projects could include research and engineering projects, development and introduction of new products, computer installations, maintenance overhauls, facility expansion relocation, sales campaigns, first production runs, budget system implementation, and all types of con-

During the second half of the program, organizational preparation gives way to analysis of specific functions of library management. This includes planning, budgeting, policy formulations and management information systems.

While Phase IV evaluates the systems that operate to guide and monitor library activities, Phase V examines how the library staff is organized, motivated and directed in these activities. Phase VI deals with personnel and general management policies. The final phase is the production of a management analysis report.

"Libraries in the past conducted reviews using outside accreditors," Dean Forth notes, "but there is real merit in addressing one's management concerns in one's own way. Studies like ours will help us to develop new analytic and management skills within our own staff."

seminar Dec. 19

struction, personnel, and industrial relations affairs.

Seminar chairman is T. Kenneth White, president of Ken Enterprises, a management consulting firm specializing in developing and presenting short, customized in-house seminar and speech programs in sales and management.

A brochure and further information may be obtained from the Conference Center, Room 410 Keller Bldg., 855-7557.

The seminar is a continuing education service of the College of Business Administration.

NEWS —

(Continued from page one)

Term, 1974, in all of the west European countries will be shown Thursday and Friday, Dec. 12 and 13, at 8 p.m. in the HUB main lounge.

Titled "Europe '74: A Slide Odyssey," the 50-minute show will include about 750 color slides of the people, culture, rural and urban areas, and other subjects from Italy to Norway and Austria to England.

Some 25 architecture students were involved in the Foreign Studies program in Architecture last year, and the slides are the result of the photography of about half of them.

No formal commentary will be provided at the show, but an explanation is given in a pamphlet to be distributed in the HUB.

PRESIDENT —

(Continued from page one)

for over seventy-five suggestions alone. Many of these have been implemented; some will soon be, while others are under consideration.

"Now, to escalate our efforts, I have asked Ralph E. Zilly, Vice President for Business, to name an Executive Energy Conservation Committee to aid in the implementation of suggestions on its own. Mr. Zilly has responded by naming Dr. Donald Olson, Head of the Department of Mechanical Engineering, Professor Robert Eichenhigh in Fuel Science, Professor Thomas Wiggins, in Physics, Henry L. Yeagley, Assistant Vice President for Physical Plant, Otto E. Mueller, Assistant Vice President for Housing and Food Service Operations, and George R. Lovette, Assistant Vice President for Business, as members of this Committee. Mr. Zilly will serve as Chairman.

T. R. Ferguson to retire; successor sought

T. Reed Ferguson, vice president for public affairs at the University, plans to retire in May, 1975, after 32 years of service as a faculty and staff member of the University.

In announcing the retirement, President John W. Oswald said "I accept Mr. Ferguson's decision to retire at this time with great reluctance. Though he has indicated for some time his desire to be released to enjoy his retirement years, we realize how very much his skilled services will be missed."

President Oswald went on to say "Mr. Ferguson has given very superior service to Penn State and has worked in a most effective way not only in Harrisburg but throughout the Commonwealth in informing the public of the role of Penn State in higher education. He has indicated that he would extend his service beyond age 60, but he has decided to exercise his option to retire now. We will miss him sorely but he has our very best wishes and deepest appreciation."

President Oswald announced also that recruitment of a successor to Mr. Ferguson is under way. Dr. Stanley G. Ikenberry, senior vice president for University development and relations, will be assisted in the search effort by an advisory and screening committee chaired by Dr. Richard E. Grubb, vice president for administrative services, and including three members of the University Faculty Senate Committee on Personnel Affairs: Dr. Thomas G. King, School of Agriculture, and associate director of Agricultural and Home Economics Extension and chairman of the Senate committee; Dr. Nunzio J. Palladino, dean of the College of Engineering; and Dr. Vernon Asparulian, Evan Pugh professor of political science.

Also on the committee are Dr. Gormis M. Seward, executive assistant to the President, and Frank J. Muraco, of Ommore; a junior in business administration, former vice president of undergraduate Student Government, and presently chairman of the Board of Directors, The Pennsylvania Student Lobby.

A 1938 graduate of the University, Mr. Ferguson joined the faculty in 1942 as an instructor in fine arts at the Schuylkill Campus, then the Pottsville Campus at Pottsville. He was named in 1948 as director of the Behrend Campus, now Behrend College, Erie, and in 1954 became head of the Conference Center at the University Park Campus. He was named director of University relations in 1959 and to his present position in 1969.

Free-U branches out, seeks aid

Free-University, increasing its community service constantly, is experiencing growing pains, particularly in finding open course people willing and able to teach a Free-U course. But officers are equally concerned that the number of non-University "students" in Free-U courses increase also.

Which has no bearing on the fact that for the first time Free-U courses are being offered in the Centre County jail. Two courses in Law and Friendship Skills are underway and plans are to increase to five or more the number of offerings in the Spring Term. Anyone, on or off campus, who wishes to work with this program should contact Mike Monahan, 865-0038, or send a note to the Free-U office, 203c Hetzel Union Building.

Faculty members currently leading Free-U courses like the experience, they say,

because the meetings are freewheeling, sincere, but often lighthearted. There are no grades, credits, or tuition. But the courses succeed because they bring to gather people who want to learn with people who want to share their knowledge and skills. Meetings may be held in private homes, in business establishments, in churches, and on campus; they can start anytime, but they usually follow the term calendar.

Another teaching method currently employed is the Listening-Learning Service; programs in weight loss, memory improvement, Morse code, and understanding chiropractic are currently available from 10 listening stations on campus.

Comments and suggestions on methods of developing increased community participation in Free-U will be welcomed by the officers.

Married couples helped by Center

Several new Conjugal Relationship Enhancement groups, designed to teach marriage enrichment skills to married couples, are being formed by the Individual and Family Consultation Center.

A Center spokesman said that more than 100 couples have participated in the program during the last several years it has been in operation.

Couples are trained in groups of no more than three couples to use certain communication and problem-solving skills in their relationship. Groups meet one evening each week at a time convenient to the participants.

The Center also is offering a relationship enhancement program for families with adolescent children. The program, in which family members meet once a week, is designed to be beneficial to families that have satisfactory relationships as well as to those experiencing severe difficulties.

The Consultation Center, located at the eastern end of the campus on Elm Street, is part of the training program of the Division of Individual and Family Studies of the College of Human Development.

Additional information on programs may be obtained by calling 865-7751.

"This new committee will be referred to as the Executive Energy Conservation Committee (EECC) to distinguish it from other helpful energy conscious groups that have been organized throughout the University system. The EECC will regularly publish directives or suggestions on ways to reduce our fuel and energy costs. In addition, they will be instigating studies into such areas as the operation of the University's water system, power plant, and wastewater treatment plant. They need and urge your suggestions and ideas on ways to reduce costs in these areas.

"During this highly critical period I ask for your complete cooperation and compliance with directives to be issued by the EECC. Some of these may represent significant changes, while others may seem insignificant. But, I assure you that cooperation shown by all of us can add up to significant dollar savings."

"Please help save valuable dollars for better uses throughout the University."

HERSHEY —

(Continued from page three)

raise the money which is turned over to the Medical Center through the American Cancer Society."

The laboratory will be devoted to tumor immunology research in the division of cancer biology of the department of pathology.

Dr. John Kreider, associate professor of pathology and microbiology said, "The Gitten Lab is the principal facility, actually the keystone, of the pathology department's tumor immunology program. This is where the tumor cells will be produced, identified and subjected to treatment by a variety of drugs. Our long term goal is to improve the immune responses which will provide an advantage over other treatment methods because of the high specificity in the attack on the tumor. We hope to prevent the tumor, but first we must be satisfied with being able to treat it."

Staff vacancies

University faculty or staff members who are interested in any of the staff openings or staff exempt jobs listed below may apply by calling Employment Division, 865-1387 (Area Line 47-1387). Do not contact the area having the vacant Applications will be accepted until 5 p.m.

DECEMBER 19, 1974

NUCLEAR EDUCATION SPECIALIST, (RADIOISOTOPE LABORATORY-NUCLEAR ENGINEERING) — University Park

Responsible for presenting various Nuclear Science and Radioisotope Programs to secondary school students, teachers, and members of the community throughout the Commonwealth of Pennsylvania. Bachelor's degree or equivalent in Nuclear Science plus two to four years related experience. Candidate must be able to qualify for a valid Pennsylvania teacher's certificate.

SOCIAL WORKER, MEDICAL —

Hershey Medical Center

Responsible to Director, Social Service by providing patient and family support and services within the hospital and serve as part of the health care team in providing practical and emotional support to patients and families. Bachelor's degree or equivalent in Social Work is required, plus two to four years of related experience. Medical experience is preferred.

THE UNIVERSITY IS AN EQUAL OPPORTUNITY EMPLOYER

Mail rules changes

The U.S. Postal Service has issued new regulations regarding mail that arrives at a post office for mailing with either no postage or insufficient postage. These are regulations 146.121 and 146.122.

1. Any class of mail, even mail for which special services are indicated, that arrives at the office of mailing or the office of address without any postage will be returned to the sender without any attempt being made to deliver it to the addressee. If there is no designated sender, the mail will be disposed of in the dead letter office.

2. In the case of mail arriving (at either office) with insufficient postage, the mail will be delivered to the addressee on payment of the amount due. If quantity mailings (ten or more pieces) arrive at the office of mailing without enough postage, the mailer will be notified by telephone so that postal charges may be adjusted before mailing takes place.

For University mailings, these matters are taken care of generally by University Mail Service, but individuals sending materials out without going through Mail Service should be aware of the change in regulations because inevitably a delay in delivery is involved if either no postage or insufficient postage is indicated.

PENN STATE intercom

Volume 4, Number 16

December 19, 1974

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

News in brief

CAPITOL CAMPUS

Some 90 graduates will receive degrees at Capitol Campus Saturday, Dec. 21, at exercises in the Middletown Area high school, at 1 p.m. (Capitol Campus is on a different calendar than most of the campuses.) Sixty-nine bachelor's degrees and 28 master's degrees will be awarded by Capitol Campus Provost Robert E. McDermott and Board of Trustees member Harry R. Ulrich, of Hummelstown.

HIRE THE VETERAN

A "Hire the Veteran" campaign is underway in State College, with University student-veterans looking for part-time work. "We have approximately 2,000 student-veterans at University Park. More than 70 per cent of this population needs part-time employment to meet educational expenses," says John P. Swords, assistant to the vice president for student affairs. Anyone with questions or suggestions should call Swords at 863-0467.

MEM CHAMBER SHOW

Today (Thursday) is the final day of the presentation of "On the Road to Dingman's Ferry" in the MEM Chamber, an unusual visual and aural method of education. The same show was presented in November, with considerable success, but many people missed it at that time. The MEM Chamber uses slide projectors, television, quadraphonic sound, and other techniques, the whole package having been developed by Rob Fisher, now a member of the art department faculty. A presentation will be made every hour from 10 a.m. to 10 p.m. in the HUB ballroom, with no charge.

PRESS BOOK

The University Press has published "In This Most Perfect Paradise," by Illinois professor Carroll William

Westfall. It is a study of the early Renaissance papacy and its architectural policy, exploring the efforts of Pope Nicholas V and architect Leon Battista Alberti to convert Rome into a "magnificent and visible representation of the newly constituted Church." Through examination of painting, sculpture, architecture, treatises on the arts and other literature, the author demonstrates architecture's traditional role in the representation of ideology.

SCHUYLKILL EXHIBIT

Paintings by artist Nicholas Bervinchak, of Minersville, whose etchings and paintings have been exhibited in the Whitney Museum of Art, National Academy in New York, and in Milan, Stockholm and other cities abroad, will be displayed during December in the Library of the Schuylkill Campus. Self-taught, Bervinchak has become recognized as a recorder of the American scene, but he is also in demand as a church painter, having decorated more than a score of churches in Neo-Byzantine style.

VIETNAM TALK

Donald Luke, director of Clergy and Laymen Concerned, New York City, who has recently returned from his third visit to Hanoi, will speak on "Vietnam: The Prospects of Reconciliation," Thursday, January 9, at 7:30 p.m. in Room 101 Kern. Some slides will be included in the talk.

Open to the public, the lecture is sponsored by the Southeast Asia Studies Council and the International Affairs Committee.

YORK GROUNDBREAKING

Ceremonies to mark groundbreaking for the new \$1.2 million classroom building at York Campus were held last Friday, with Dr. Robert G. Quinn, dean of academic instruction for Commonwealth Campuses, as principal speaker. The building will provide 30,000 square feet of additional space in the form of seven multipurpose

classrooms, an electrical engineering lab, computer center, instructional media center, seminar rooms, offices, and a large lecture room. Target date for completion is Summer, 1976.

OLDEST STUDENT?

Nomination for the oldest student at Penn State is made by Capitol Campus, which reports that 72-year old Russell Charles, a retired executive vice president of Bowman's Department Store, Harrisburg, is enrolled as a graduate student in the Community Psychology option of the Psychosocial Science Master's Program. He got his bachelor's degree from Elizabethtown College just a year ago. For Charles, who is one of only 58 students in this new Capitol program, a master's degree would enable him to help people plan a productive life after retirement. He is looking forward to graduation next year.

WPSX SPORTS SCHEDULE

WPSX-TV, Channel 3, will present a heavy schedule of recorded sports events during the indoor season, most of them Penn State events, to be broadcast Sundays at 4 p.m. The complete schedule:

Dec. 22 — Penn State-Indiana State wrestling.

Dec. 29 — Lehigh-Iowa wrestling.

Jan. 5 — Collegiate soccer.

Jan. 12 — Penn State-West Virginia basketball.

Jan. 19 — Penn State-West Chester wrestling.

Feb. 9 — Penn State-Massachusetts gymnastics.

Feb. 16 — Penn State-Lehigh wrestling.

Feb. 23 — Penn State-Pitt basketball.

Mar. 2 — Penn State-Indiana State gymnastics.

Mar. 9 — Penn State-Villanova swimming.

NEXT ISSUE

INTERCOM will be silent for two weeks, the next issue being scheduled for Jan. 9.

Senate approves by-laws changes

Responding to recommendations on faculty participation in University governance, the University Faculty Senate has approved extensive changes in its bylaws and standing rules.

At its meeting Dec. 10, the Senate approved a 34-page report detailing the changes which stem from six of 35 recommendations of the Joint Senate-Administrative Select Committee on Faculty Participation in University Governance.

The changes center on four areas — election of Senate officers, development of an advisory committee to the President, redefinition of responsibilities of the Senate Council, and redefinition of responsibilities of the Senate Committee on Committees and Rules.

Dr. Robert S. Friedman, chairman of the subcommittee which proposed the amendments, said they were designed to make the Senate more effective in its internal operations and in representing the entire faculty.

Discussion focused on the proposal to establish an advisory committee to the President. In one amendment, the group's name was changed from Senate Advisory Committee to Faculty Advisory Committee.

The committee is to include the four Senate officers and three faculty members selected by the Senate. Under other amendment, the faculty members are not required to be members of the Senate. The proposal also was amended to provide that at least one of the committee members must always be from a location other than University Park.

The four Senate officers provided for under the amendments include a chairman, a chairman-elect, a past chairman and a secretary. The Senate chairman would be relieved of some of his academic duties while in office.

In other action, the Senate approved a report of the Capitol Campus Review Committee. A committee recommendation on procedures for handling undergraduate curricular matters at Capitol Campus was amended.

Other committee recommendations approved were:

—All legislative actions by the Capitol Campus Faculty Organization must be reported in summary form in the monthly Senate Record.

—A greater reciprocal exchange of views on matters relating to programs and courses should be initiated between the Capitol Campus faculty and counterparts throughout the University system.

—Delegation of authority to the Capitol Campus faculty shall be reviewed at intervals not exceeding five years, although the Senate may request an earlier review.

United Way goal surpassed by staff

The University surpassed its goal in the 1974-75 Centre County United Way.

Penn State employees contributed some \$8,200 more than last year, giving the University 101 per cent of its goal. University personnel contributed \$70,804.06 toward the County's overall total of \$233,586.74, which was 102 per cent of the County goal of \$226,000.

(Continued on page four)

Senate Report

The University Faculty Senate's Committee on External Affairs was established by the Senate in December, 1973. It was charged with maintaining an interest in current events, reporting to the Senate on external issues which may have present or future impact on the University, and advising the Senate on proposed statements to officials outside the University.

Thomas B. King is Committee chairman. Members are Vernon Aspinarian, Robert A. Conover, T. Reed Ferguson, Mervin J. Hostetter, Nunzio J. Palladino, Marvin E. Rozier, George H. K. Scheuch, Dion C. Stewart, and C. Edward Phillips, chair of the Senate Faculty Affairs Committee.

The following report was prepared by the chairman of the External Affairs Committee: Legislative workshops. Science and Technology Referral System. Speakers Bureau: What relationship do they have with the University Faculty Senate? These kinds of activities are among the many subjects being explored by the Senate's newest committee, the Senate Committee on External Affairs.

Initially appointed this past year by Senate Chairman Ernest Bergman, the External Affairs Committee has been meeting regularly to seek ways of carrying out the charge given it by the Senate. For instance, the Committee has compiled a roster of Penn State faculty who have had professional contact with Commonwealth legislative and executive officials.

This report is provided by the University Faculty Senate for the general information of the faculty. Inquiries concerning the report should be addressed to the Executive Secretary, Room 204 Willard, 863-0221.

Another aspect of the Committee's role is advising and assisting the Senate and other Senate committees. The committee also has taken preliminary steps, in cooperation with the Fringe Benefits Subcommittee and the External Affairs Committee, regarding possible legislative changes in the retirement system.

A major undertaking of the Committee is the development of an ongoing series of workshops for legislative legislators. Helping the University create more positive relationships with our legislative bodies is one of the primary goals of the Committee. Many ways of making legislators and other elected officials better acquainted with Penn State have been explored. The legislative workshop approach allows a two-way interaction between faculty and legislators in areas of mutual interest and complementary perspectives. The special talents and expertise of faculty members may prove helpful to legislators; likewise, faculty members will better understand the needs of legislators and the complex considerations underlying public policy actions in their professional areas. The External Affairs Committee will assume responsibility for contacting individual faculty members and arranging for the organization of each event. It is anticipated that most sessions will be half-day in length and in the Harrisburg Area.

Seeking ways by which the University might develop a more positive image with

the legislature as well as the general public is an objective the Committee has set for itself. However, the initial charge to the Committee by the officers of the Senate was also to perform a watchdog function. It is to maintain an interest in current events and report to the Senate on those issues which occur external to the University but which may have present or future impact on the University. Reed Ferguson is a member of the Committee, and together with his staff — Newton Cattell, Frederick Ciletti, Frank Forni, and David Schuckers — will alert the Committee to many events and pending legislation that are of concern to the University.

Examples of Pennsylvania legislation that are of vital concern to the University are SB 1960, SB 1472, and SB 1743. Senate Bill 1960 authorizing \$1,700,000 to be appropriated to Penn State's trustees for the purpose of providing funds for retirement cost increases passed the legislature November 21, 1974. SB 1472 and 1743 are presently in the Education Committee. SB 1472 is an act creating for a temporary period the Pennsylvania Open College to provide public non-traditional post-secondary educational opportunities for an adult student body. SB 1743 is an act amending the "Public School Code of 1949," establishing the Pennsylvania Commonwealth University and designating its institutions; creating and defining the powers and du-

(Continued on page four)

McClay, Bryner announce retirements



Dr. David McClay (left), receives retirement gift from College of Agriculture Dean, Dr. James Seattle.

Dr. David R. McClay, head of the department of agricultural education since 1959 and acting dean of the College of Agriculture for 15 months during 1972-73, will retire on Dec. 31.

A member of the Penn State faculty since 1946, Dr. McClay earned B.S. and M.S. degrees here and obtained doctor of philosophy degrees at Cornell University.

Early in his career, Dr. McClay was a teacher of high school agriculture and adviser for vocational education in agriculture in Washington and Greene Counties. As a lieutenant in the U.S. Navy during 1944-46, he was officer-in-charge of instructor training at Little Creek, Va., and commanding officer of an amphibious ship, the U.S.S. LSM 543.

From 1954 to 1956, Dr. McClay was director of short courses and assistant director of resident instruction for the College of Agriculture. Later he served

as acting associate dean and director of resident education. He has taught as a visiting professor at the Universities of California, New Hampshire and Vermont, and at Virginia Polytechnic Institute.

Dr. McClay planned and established the Winter Course Program in the College of Agriculture, served as a leader in a U.S. Office of Education project on "Competencies Needed for Entry Employment in Natural Resources and Related Environmental Occupations in the U.S., 1971-74," and is national chairman of a current study, "National Project for Identifying Competencies in Agriculture-Agribusiness Operations."

Dr. Clarence S. Bryner, professor of agronomy extension, will retire December 31, with 29 years of service to the University. A 1938 graduate in agronomy from Penn State, he served six years with the Soil Conservation Service in three southeastern Pennsylvania counties. In 1945, he was appointed assistant professor of agronomy extension and two years later received the Coke Oven Ammonia Research Fellowship for graduate study. In 1948 he was appointed to the research and resident staff in agronomy. His research was related to small grains in this period. In 1957, he received his doctorate and was named associate professor of agronomy extension, conducting crop improvement work throughout the State. In 1967-69, he was a member of the U.S. AID team of the College of Agriculture which served in Maharashtra State, India. Since 1969, he has been responsible for Extension's potato and small grain programs.

Faculty notes . . .

Dr. G. P. Patil, professor of mathematical statistics, will present a paper in Calcutta, India, Dec. 16, at an Invitational Memorial Conference honoring Academician Y. V. Linnai, Prof. P. C. Mahalanobis, and Prof. S. N. Bose. The paper is titled "Certain Problems and Models for Distorted Observations and Related Characterizations." The conference is sponsored by the Indian Government and the U.S.S.R. Academy of Science. On this trip abroad, Dr. Patil will also give the keynote address at the All-India Rally of Youth for Integration and Integrity, near Nagpur, Central India.

Robert F. Fletcher, professor of vegetable crops extension, has received the 1974 Ruby Award given annually by the Alpha Omicron chapter of Epsilon Sigma Phi, national honorary extension fraternity. He was cited for his educational programs dealing with commercial vegetable crop production. He was a pioneer in developing soil testing procedures for horticultural crops.

Dr. Hans A. Panofsky, Evan Pugh research professor of atmospheric sciences, lectured recently at Princeton Univ. and at City University of New York Graduate Center. The first subject was "Stratospheric Mixing" and the second, "Environmental Problems of Supersonic Transports."

Dr. James W. Keltz, professor of education in counselor education and assistant director of the Rehabilitation Education Programs, has been elected president-elect of the National Vocational Guidance Association, to assume the presidency of the 10,000-member organization at the national convention of the American Personnel and Guidance Association, of which the NVGA is a major division, next March in New York.

Dr. L. W. Hu, professor of engineering mechanics, presented a paper on "Linear Compressibility of Polyester PSM-1 under High Hydrostatic Pressure" at the Fourth International Conference on High Pressure, in Tokyo, Japan, last week.

Dr. Rustum Roy, director of the Materials Research Laboratory, conducted "Non-Crystalline Solids: Their Preparation, Structure, and Potential in Solid State Science and Technology," as featured speaker in a solid state science lecture series at Arizona State University recently.

Appointments

Dr. Robert C. Mitchell, as associate professor of sociology. He is a graduate of the College of Wooster, Ohio, and obtained advanced degrees from Northwestern University. He has served as visiting professor in the College of Thematic Studies, University of Pennsylvania, and as associate professor of sociology at Swarthmore College. With research interests in religion and social change, he has traveled widely in Africa and specifically has studied the sociology of religious change in Ibadan, Nigeria.

Dr. Yupo Chan, as assistant professor of civil engineering. He was transportation consultant with Peat, Marwick, Mitchell and Co., Washington, D.C. He received all three degrees from the Massachusetts Institute of Technology.

Dr. Bertrand M. Davezac, as associate professor of art history. He was assistant professor of art history at Indiana University, Bloomington. His degrees were granted by Columbia University, all in art history.

Kenneth M. Marin, as community development specialist and instructor in rural sociology, to conduct educational programs under Title V of the Rural Development Act of 1972 in Indiana, Armstrong and Butler counties. He holds a B.S. in agricultural economics and M.S. in rural sociology from Penn State.

Dr. Ann L. Overback, as assistant professor of social welfare. She was formerly director of the Outpatient Division, Altona Hospital Community Mental Health Center. A graduate of Cornell University, she obtained advanced degrees from Smith College and is a licensed clinical social worker. Her research interests are in alcoholism, after care of schizophrenics, and stress adaptation.

Promotion

Homer F. Mazer, Clearfield County agricultural agent, has been named to succeed Herbert K. Anders as assistant director of the Northwest Region, Cooperative Extension Service. Anders retired recently. Mazer began his Extension career in 1955 in Greene County and moved to Clearfield County in 1961. The counties in which he will supervise Extension programs are Clarion, Crawford, Erie, Forest, Lawrence, Mercer, Venango, and Warren.



Roy Buck receives Service Award

Dr. Roy C. Buck (center above), professor of social science and sociology and associate director of the Center for Continuing Liberal Education, was honored for 25 years of service to the University recently, and a great many faculty and staff attended the party in the Nittany Lion Inn, because Dr. Buck has acquired a host of friends over these years in many areas of the University. College of the Liberal Arts Dean Stanley F. Paulson presented the Service Award plaque and Penn State Chair to Dr. Buck, with an assist from Dr. Roland J. Pallograph, head of the sociology department. A 1942 graduate of Penn State, with a B.S. in agricultural education, Dr. Buck served as a vocational agriculture teacher for two years and in 1947 obtained a master's degree in rural sociology and in 1949 was appointed assistant professor of rural sociology. His Ph.D. was conferred by the University of Minnesota in 1951. He did a great deal of work in the field of rural youth and problems of rural communities. In 1952 he was appointed to the C.C.L.E. post for the work in social sciences, and much of his effort has been directed to urban as well as rural communities and their social problems.

Peace Corps openings are available

Opportunities to work with the Peace Corps in Jamaica were announced this week by Dr. Robert E. Swope, of the College of Agriculture.

Dr. Swope heads up arrangements whereby Penn State faculty and staff members serve as technical "backstops" for volunteers in the Jamaican project, a cooperative effort begun in February, 1974.

A search is underway to locate U.S. individuals to work with the Jamaica program in 1975. As of next July, individuals with the following skills and interests are needed in the Jamaica Peace Corps: eight

agricultural education teachers, four forestry development officers, a farm manager experienced in vegetable and livestock production and marketing, an Ag Extension officer in horticulture, three Ag Extension officers experienced in production of beans and tomatoes, such officers in grain production, one who specializes in potatoes and other tuberous crops, five in horticulture, one agronomy researcher experienced in legume research.

Dr. Swope, who is also a point of contact for Peace Corps volunteers for other areas of the world, may be reached in Room 217 Ag Administration, 865-7521.

Computation center aids college

A remote computer terminal linked to the computer at the University's Computation Center has been installed at Williamsport Area Community College.

The terminal, consisting of a card reader and a printer, will permit students and faculty at the community college to have access to the computing facilities available to Penn State students and faculty.

According to Daniel L. Benitt, research associate at the Computation Center, these facilities include use of the computer and a large library of programs, data bases, and language processors.

The terminal is to be used for instruction in data communications, as an industrial device which allows simulation and gaming exercises for various courses, and for faculty and student research, special projects, and instructional support.

The remote terminal is similar to those located at the University's Commonwealth Campuses, the Capitol Campus, and Hershey Medical Center, and at various locations on the University Park Campus. It is the first outside the University system to tie into the Computation Center.

Weight losers helped by two programs

There is no question that losing weight is one of the most talked-about problems human beings have, and many people also do something about it. But it isn't easy.

At least two aids to weight-losers are available on the University Park Campus, one being the Free-Ut machine which you can hear on the Listening-Learning Service campus-wide system. There are about a dozen stations around the campus that have listening devices so you can hear this tape, which is intended to be used frequently to help you develop the will to lose weight.

Another service is provided by the Individual and Family Consultation Center of the College of Human Development.

Families in which at least one parent and one teen-ager wish to lose weight are eligible for the eight-week program, beginning in mid-December.

According to Dr. Anthony R. D'Augelli, assistant professor of human development, the program will utilize the most effective techniques from the field of behavioral psychology to give participants information and experience in changing a persistent bad habit — overeating.

"This is not a 'dieting' program, but a program to help people to change their eating habits. It is not a 'crash' weight

loss method, but a set of lessons designed to promote long-term weight maintenance of the loss."

According to Dr. D'Augelli, research on weight loss programs has generally shown that it is in the long-term maintenance of weight loss that most individuals experience failure and go back to their original eating habits.

He said the Consultation Center program, based on techniques found to be effective in many recent studies, is designed with this problem in mind.

"We also feel that the involvement of several family members in a joint effort to lose weight has many advantages. There simply are no ways of losing weight which don't call for strong commitment. Sharing this experience with someone else will enable each person to continue the process."

"If two family members know the methods of sensible weight loss, it is likely that they will continue on the program, even after the meetings are over. Finally, they can then discuss eating habits and nutrition with other members of the family."

Families interested in the program, for which there is no fee, may contact the Consultation Center at 865-1751 for further details.

University Park Calendar

December 19, 1974-January 11, 1975

Special events

Friday, Dec. 20 — Round and Square Roundup, 7:30 p.m., White Bldg. south

Wednesday, Jan. 1 — Cotton Bowl game, TV broadcast, CBS, 2 p.m.

Saturday, Jan. 4 — Sports: Men's basketball vs. Boston College, 8 p.m., Rec Hall

Wednesday, Jan. 8 — Evening of Student Chamber Music, 8:30 p.m., Music Bldg, recital hall

Wednesday, Jan. 8 — Sports: Men's and women's gymnastics. Women vs. Towson State, men vs. Pittsburgh, 8 p.m., Rec Hall

Friday, Jan. 10 — University Readers, 7 p.m., Room 112

Friday, Jan. 10 — Commonsplace Coffeehouse, 8 p.m., Room 102 Kern

Saturday, Jan. 11 — Artists Series, Juilliard String Quartet, 8:30 p.m., Schwab

Saturday, Jan. 11 — Sports: Women's riflery, vs. Carnegie Mellon, 2 p.m. Men's football vs. Johns Hopkins, 2 p.m. Men's basketball vs. West Virginia, 8 p.m., Rec Hall. Wrestling vs. Kentucky, 2 p.m., Rec Hall

Official

Saturday, Dec. 21 — Christmas vacation begins, 12:25 p.m. Offices closed Dec. 22-26

Saturday, Dec. 21 — Residence Halls close for Christmas recess, 3 p.m.

Wednesday, Jan. 1 — New Year's Day, offices closed

Sunday, Jan. 5 — Residence Halls open after Christmas recess, 8 a.m.

Monday, Jan. 6 — Classes begin, 8 a.m.

Seminars

Thursday, Dec. 19 — Meteorology, 3:55 p.m., Room 126 Mineral Sciences. Dr. H. A. Panofsky, on "Vertical Mixing in the Stratosphere"

Thursday, Dec. 19 — Agronomy, 3:45 p.m., Room 301 Agricultural Administration, William Stout, on "The Role of Magnesium in Human and Animal Nutrition"

Thursday, Dec. 19 — Statistics, 4 p.m., Room 69 Willard. Dr. Shelby J. Haber-man, University of Chicago, on "Product Moments for Frequency Tables Involving Indirect Observation"

Thursday, Dec. 19 — Chemistry, 12:45 p.m., Room 333 Whitmore. Dr. T. L. Sourkes, McGill University, on "Dopamine and Parkinson's Disease"

Thursday, Dec. 19 — Physics, 3:35 p.m., Room 117 Osmond. Thomas H. Edwards, Michigan State University, on "Acquiring and Processing Spectra by an On-Line Computer"

Thursday, Jan. 7 — Water Pollution, 2:20 p.m., Room 124 Sackett. Robert L. Johnson, civil engineering, Lehigh University, on "Dual Medium Water Filters"

Tuesday, Jan. 7 — Analytical Chemistry, 1 p.m., Room 333 Whitmore. T. H. Risby on "Thesis Topics in Analytical Chemistry"

Tuesday, Jan. 7 — Plant Pathology, 9:45 a.m., Room 213 Buckhout. Ellen Brislin on "Modes of Action of Heterocyclic Systemic Fungicides"

Wednesday, Jan. 8 — Ceramic Science, 11 a.m., Room 301 Mineral Industries. W. B. White, mat. science and geo. science, on "Crystal Chemistry of Solids"

Wednesday, Jan. 8 — Fuel Science, 4 p.m., Room 301 Min. Ind. Dr. E. S. Fleming on "Reaction Kinetics of Low Pressure Hydrocarbon / Fluorine and H₂ / Cl₂ / F₂ / H₂"

Thursday, Jan. 9 — Chemistry, 12:45 p.m., Room 333 Whitmore. Robin M. Hoch-sheimer, University of Pennsylvania, on "Chemical Dynamics and Spectroscopy in the Picosecond Regime"

Thursday, Jan. 9 — Physics, 3:35 p.m., Room 117 Osmond. Martin C. Gutzwiller, IBM Watson Research Center, New York, on "Ferromagnetism in Transition Metals"

Thursday, Jan. 9 — Meteorology, 3:55 p.m., Room 26 Mineral Sciences. Lance Bos-sart, SUNY at Albany, on "Observations of Mesoscale Circulations"

Thursday, Jan. 9 — Statistics, 4 p.m., Room 69 Willard. Gary Simon, Princeton University, on "Kendall's Tau in Multivariate Situations"

Thursday, Jan. 9 — Biophysics, 4 p.m., Room 617 Life Science. Dr. H. Clarke Anderson, Downstate Medical Center, State University of New York, on "The Role of Matrix Vehicles in the Cellular Mediation of Calcification"

Thursday, Jan. 9 — Agronomy, 3:45 p.m., Room 301 Ag. Admin. Jim Hinko, on "Wastewater Nitrogen — Hindrance to Disposal of N-fertilizer Source"

Lecture

Thursday, Jan. 9 — International Affairs Lecture, Don Luce on "Vietnam: The Prospects of Reconciliation," 7:30 p.m., Room 101 Kern

Meetings

Monday, Jan. 6 — USG Senale, 7:30 p.m., HUB assembly room

Monday, Jan. 6 — OTIS, 8:30 p.m., Room 203 HUB

Tuesday, Jan. 7 — ARHS, 7:30 p.m., Room 203 HUB

Tuesday, Jan. 7 — University Faculty Senate, 2:10 p.m., Room 112 Kern

Wednesday, Jan. 8 — Penn State Mining Society, 7:30 p.m., Room 112 Kern

Wednesday, Jan. 8 — Biological Society, 7:30 p.m., Room 8 Life Sciences. Dr. Stuart Patton, food science, on "British Columbia and Spawning Salmon"

Thursday, Jan. 9 — College of Liberal Arts Faculty, 3:30 p.m., Room 121 Sparks

Exhibits

Museum of Art — Living American Artists and the Figure, Galleries A and C, through December 22. Selections from the University Collection, Gallery B. Free public tours Thursdays at 1:30 p.m.

Zoller Gallery — Marsicano Show, opening January 6

Chambers Gallery — Kitch, opening January 6

Films

Friday, Dec. 19 — "Al the Circus," with the Marx Brothers, 7:30 and 9:30 p.m., FUB Rec Room

Funding Opportunities

For procedural and funding source information, call 865-1372.

December 5, 1974

(NSF-1) NSF has clarified objectives of its Ethnic & Human Value Implications of Science and Technology Program (EHVIST). First announced in 1973 March 22, 1973 INTERCOM #72-1, the program is supported by NSF and the National Endowment for the Humanities (NEH). Project should emphasize ethnic or human values, focus on value systems and their impact. Studies include the biological sciences and medicine are encouraged this fiscal year. Supported activities include: research and other scholarly investigation, conferences and similar activities, course and curricular development, and a combination of these activities. Supported activities may apply to more than one individual or a small group. People whose existing work fits program objectives are encouraged to apply. Interaction among such groups is encouraged. The program contact is Robert A. Baum, Manager, EHVIST, Program Assessment and Special Studies Groups, NSF, Washington, O.C. (205) 526-7947 (Ref. RJU letter vs. NSF Imp. Policy No. 10)

(NSF-2) Studies and experimental projects aimed to careers in science for women will be supported by the National Science Foundation. NSF's objective is to provide the educational community with mechanisms for increasing the number of women in science and technology. The application deadline date is Jan. 1, 1975. The program contact is Mrs. M. Joan Gollan, NSF, National Office of Experimental Projects and Education Outreach, NSF, 2225 Wisconsin Ave., N.W., Washington, O.C. 20555 (202-282-7974) (Ref. RJU letter vs. NSF Imp. Policy No. 10)

(NSF-3) The Office of Education has announced a Dec. 27, 1974 closing date for applications for the National Science Foundation Graduate and Postdoctoral Fellowship Studies Program. (Ref. 39PR 40807, 11/20/74) Continuation grants for this program have a Jan. 15, 1975 closing date.

(NSF-4) The NSF Faculty Fellowships in Science program deadline has been extended to Feb. 1974 (Nov. 21 INTERCOM #166-7). These awards are for 1974-1975. NSF telephone contact is (202-282-7595). Application materials will be available soon. (Ref. NSF Memo)

(NSF-5) The new NSF Senior Foreign Entry Scholars Program is complete for 1974-1975. It has an extended deadline to Feb. 28, 1975. Applications for program preparation have been distributed. NSF telephone contact is (202-282-7595) (Ref. NSF #7538)

(NSF-6) U.S. biomedical scientists who wish to conduct 1975-1976 research or clinical studies in Sweden may complete for 1975 postdoctoral research fellowships to be awarded by the Swedish Research Council. The National Institutes of Health acts for the Council; the NIH address is: NIH, Executive Plaza North, Room 10A, Bethesda, Md. 20814.

(NSF-7) American students who wish to study in Sweden may complete for 1975 postdoctoral research fellowships to be awarded by the Swedish Research Council. The National Institutes of Health acts for the Council; the NIH address is: NIH, Executive Plaza North, Room 10A, Bethesda, Md. 20814.

(NSF-8) American students who wish to study in Sweden may complete for 1975 postdoctoral research fellowships to be awarded by the Swedish Research Council. The National Institutes of Health acts for the Council; the NIH address is: NIH, Executive Plaza North, Room 10A, Bethesda, Md. 20814.

(NSF-9) American students who wish to study in Sweden may complete for 1975 postdoctoral research fellowships to be awarded by the Swedish Research Council. The National Institutes of Health acts for the Council; the NIH address is: NIH, Executive Plaza North, Room 10A, Bethesda, Md. 20814.

(NSF-10) American students who wish to study in Sweden may complete for 1975 postdoctoral research fellowships to be awarded by the Swedish Research Council. The National Institutes of Health acts for the Council; the NIH address is: NIH, Executive Plaza North, Room 10A, Bethesda, Md. 20814.

(NSF-11) American students who wish to study in Sweden may complete for 1975 postdoctoral research fellowships to be awarded by the Swedish Research Council. The National Institutes of Health acts for the Council; the NIH address is: NIH, Executive Plaza North, Room 10A, Bethesda, Md. 20814.

(NSF-12) American students who wish to study in Sweden may complete for 1975 postdoctoral research fellowships to be awarded by the Swedish Research Council. The National Institutes of Health acts for the Council; the NIH address is: NIH, Executive Plaza North, Room 10A, Bethesda, Md. 20814.

(NSF-13) American students who wish to study in Sweden may complete for 1975 postdoctoral research fellowships to be awarded by the Swedish Research Council. The National Institutes of Health acts for the Council; the NIH address is: NIH, Executive Plaza North, Room 10A, Bethesda, Md. 20814.

(NSF-14) American students who wish to study in Sweden may complete for 1975 postdoctoral research fellowships to be awarded by the Swedish Research Council. The National Institutes of Health acts for the Council; the NIH address is: NIH, Executive Plaza North, Room 10A, Bethesda, Md. 20814.

(NSF-15) American students who wish to study in Sweden may complete for 1975 postdoctoral research fellowships to be awarded by the Swedish Research Council. The National Institutes of Health acts for the Council; the NIH address is: NIH, Executive Plaza North, Room 10A, Bethesda, Md. 20814.

(NSF-16) American students who wish to study in Sweden may complete for 1975 postdoctoral research fellowships to be awarded by the Swedish Research Council. The National Institutes of Health acts for the Council; the NIH address is: NIH, Executive Plaza North, Room 10A, Bethesda, Md. 20814.

(NSF-17) American students who wish to study in Sweden may complete for 1975 postdoctoral research fellowships to be awarded by the Swedish Research Council. The National Institutes of Health acts for the Council; the NIH address is: NIH, Executive Plaza North, Room 10A, Bethesda, Md. 20814.

(NSF-18) American students who wish to study in Sweden may complete for 1975 postdoctoral research fellowships to be awarded by the Swedish Research Council. The National Institutes of Health acts for the Council; the NIH address is: NIH, Executive Plaza North, Room 10A, Bethesda, Md. 20814.

(NSF-19) American students who wish to study in Sweden may complete for 1975 postdoctoral research fellowships to be awarded by the Swedish Research Council. The National Institutes of Health acts for the Council; the NIH address is: NIH, Executive Plaza North, Room 10A, Bethesda, Md. 20814.

(NSF-20) American students who wish to study in Sweden may complete for 1975 postdoctoral research fellowships to be awarded by the Swedish Research Council. The National Institutes of Health acts for the Council; the NIH address is: NIH, Executive Plaza North, Room 10A, Bethesda, Md. 20814.

(NSF-21) American students who wish to study in Sweden may complete for 1975 postdoctoral research fellowships to be awarded by the Swedish Research Council. The National Institutes of Health acts for the Council; the NIH address is: NIH, Executive Plaza North, Room 10A, Bethesda, Md. 20814.

(NSF-22) American students who wish to study in Sweden may complete for 1975 postdoctoral research fellowships to be awarded by the Swedish Research Council. The National Institutes of Health acts for the Council; the NIH address is: NIH, Executive Plaza North, Room 10A, Bethesda, Md. 20814.

(NSF-23) American students who wish to study in Sweden may complete for 1975 postdoctoral research fellowships to be awarded by the Swedish Research Council. The National Institutes of Health acts for the Council; the NIH address is: NIH, Executive Plaza North, Room 10A, Bethesda, Md. 20814.

write to the German Academic Exchange Service, 1 Fifth Ave., Suite 1100, New York, NY 10011. Stipend is 2300 marks; application deadline is Jan. 31, 1975.

(NSF-24) Postdoctoral fellowships and research associateships in the field of the National Research Council of Canada are available to Canadians and other nationals. Science applicants must hold a doctorate or be awaiting award of one. Engineers must hold a masters degree and research experience. Fellowships pay \$10,500/year; associate stipends compare to starting salaries in the laboratory where the associate works. Program brochures can be read in 317 Penn Bldg. Write to the National Research Council of Canada, Research Associates Office, Ottawa, Canada, KIA-0R6 for application forms and additional data.

(NSF-25) Pharmaceutical Manufacturer's Association Fellowship (AII, T. E. Manahan, 1155 15th St. N.W., Washington, O.C.) has announced a limited student fellowship program for students interested in research and teaching careers in Pharmacology and a two-year post-doctoral pharmacology-morphology fellowship for research on the pharmacology of drugs. Further information and application forms, write to address given above. For other pre-doctoral fellowships see Memorandum 74-5.

(NSF-26) National Institute for Law Enforcement and Criminal Justice (At: Winston Reid, Law Enforcement Assistance Administration, Dept. of Justice, Washington, O.C. 20530 (202-386-6581)) offers visiting fellowships to develop innovative approaches to law enforcement crime and justice. People with justice system involvement research in Washington, O.C. Stipends are based on the experience of the fellow. For further information, write to address given above.

(NSF-27) Environmental education proposals must be sent to the Office of Education before January 23, 1975. Priorities are: (1) resource materials; (2) parent and community development projects; (3) community education projects; and (4) elementary and secondary education projects. Non-priority proposals should have been submitted by Dec. 15, 1974. For further information, write to address given above.

(NSF-28) Health research related to energy production and conservation will be funded by the National Institute of Environmental Health Sciences. Applications have been extended and associated with energy technologists and conservation projects is the primary goal. Projects will be funded by early 1975. Priorities include: suspected health impact of nuclear energy on specific population groups; gaps in health-effects knowledge and projected time frames for new energy technologies. This information has been distributed. Project contact is: Dr. Robert G. Owens, External Programs, National Institute of Environmental Health Sciences, NIH, P.O. Box 12233, Research Triangle Park, North Carolina 27709-1233 (276-545-5811) ext. 2058. (Ref. NIH Guide Announcement, Vol. 3, No. 19)

(NSF-29) National Research Service Awards to individuals for predoctoral or postdoctoral training in specified areas of biomedical and behavioral research will be made by the PHS Alcohol, Drug Abuse, and Mental Health Administration (ADAMHA). Applications must have been completed two or more years of graduate work

and have a doctoral prospectus. Applicants must be sponsored by the Institution having the staff and facilities for training. Postdoctoral applicants may also be sponsored by ADAMHA. Priority areas are grouped under each of the ADAMHA's three institutes. Applications must be received by January 15, 1975 and May 1, 1975. (Ref. ADAMHA Announcement, Nov. 1974)

(NSF-30) Regulations for the Fund for the Improvement of Postsecondary Education have been issued by the Office of Education for three program categories (Ref. 39FR14746-15, 56-57; 12/27/74). Pre-applications for the Comprehensive Program must be mailed before Jan. 16, 1975 as must regular applications for the Special Focus Program. National Projects, a new program, has a Feb. 17, 1975 deadline, and includes three activities: educational needs of new achievers, strengthening faculty roles, and education information to prospective students. Institution sponsoring exemplary activities will receive awards averaging \$25,000. Guidelines for the National projects program are to be issued Dec. 15, 1975. Guidelines for the comprehensive program and special focus activities will be issued earlier. (Ref. CFDA 13-558) (Ref. OGP Program Notes 12/4/74)

(NSF-31) NEA Once program guidelines and deadline dates have been issued for: choreography, Feb. 1, 1975; design, Feb. 1, 1975; and resident professional design companies management and administrative services to the field — June 1, 1975, and general programs — Feb. 1, 1975. For further information, write to address given above.

(NSF-32) The National Institutes of Health (NIH) has several programs for the next three deadline dates are Feb. 1, June 1, and Oct. 1, 1975. The programs are: Research Project Grants — contact Dr. Luis G. (202-496-7447); Special Clinical Research Grants — Dr. William R. De Cesare (202-496-5590); Biotechnology Research Grants — Dr. William F. Raub (202-496-5411); Projects to Support Animal Resources and Research — Dr. William F. Raub (202-496-5411); Charles McPherson (202-496-5451); Nutrition Research — Mr. Paul O. Frazer (202-496-7809); Research in Health and Family Development — Dr. Bernard Wortman (202-496-5301); and Clinical Cancer Education Grants — Dr. Margaret A. Edwards (202-496-7762). Contact addresses for each of these are also available. (Ref. OGP deadline dates)

(NSF-33) The National Institute of Mental Health (NIMH) has six programs with Feb. 1, June 1, and Oct. 1, 1975 deadline dates. They are: Mental Health Research Grants — Dr. William R. De Cesare (202-496-5590); Research Grants — Dr. Edwin J. Nichols (202-496-3556); Minority Group Mental Health Program — Dr. James R. (202-496-7447); Metropolitan Mental Health Problems — Dr. Ellison Lebow (202-496-3373); and Studies in Health and Delinquency — Dr. Eileen A. Shaw (202-496-3728). Contact addresses for each of these are available. (Ref. OGP deadline dates)

(NSF-34) The National Science Foundation (NSF) has issued criteria for the selection of research projects. As approved by the National Science Board, the U.S. public policy supports both basic and applied research programs to strengthen scientific research potential, and scholarship and

graduate fellowships. Selection criteria are grouped into four categories: competent performance of the research; originality and economy of method; potential, relevance, and contribution to long-term scientific potential. Features encouraged include: participation by graduate students, publication, and dissemination of information, and maintenance of symposia and scientific meetings. Specific NSF approved areas are discussed relative to the Board's approval selection criteria. This information has been distributed. (Ref. 39FR42654-56, 12/9/74)

(NSF-35) People of Scottish descent may apply for \$3750/year grants to support study in that country. Application deadline is Feb. 1, 1975; for more information write to St. Andrews Society of the State of New York, 281 Park Ave. S, New York 10010

(NSF-36) National Safety Council (265 N. Michigan Ave., Chicago, Ill. 60611) offers the Howard Pyle Fellowship Award for an already enrolled graduate student studying for the Ph.D. in a safety-related discipline. The stipend is \$2500 plus tuition and fees and a \$450 allowance for dependent children. Fellowship is renewable for up to 3 years. Applicant must be nominated by the Graduate School. Further information, write to the Graduate School at 317 Kern Graduate Building or to the address given above.

(NSF-37) Graduate Women in Science (Dr. A. K. Miller, Brook Park Institute of Therapeutic Research, Highway, N.Y. 47055) offers a \$750 grant-in-aid to a woman, preferably over 35, who holds a degree from a recognized university and has demonstrated outstanding ability in mathematics or natural science to increase knowledge in these fields and to encourage research by women. The application deadline is March 15, 1975. Further information and application forms, write to address given above.

(NSF-38) Undergraduate students can compete for a \$1000 prize by submitting a technical paper on instrumentation, systems, or automation. Write to Instrument Society of America, Student Paper Coordinator, 400 Stevens St., Princeton, N.J. 08540, for more information. Application deadline is March 15; the paper must be submitted before May 1. (160-10)

(NSF-39) The American Association for the Advancement of Science (AAAS) will accept applications for its Mass Media Intern Program for the summer of 1975. A letter of nomination must be submitted by a faculty member on behalf of the student. Up to 10 outstanding science graduate students in the natural and social sciences will be selected to spend the summer of 1975 as intern reporters, researchers, or production assistants in a variety of media. (Quintessence, Nov. 1974) Applications must also be considered. Applications must be received by February 1, 1975. Contact: Nancy W. Johnson, AAAS, 1776 Massachusetts Avenue, N.W., Washington, O.C. 20036. (Ref. AAAS Announcements)

REMINISERS AND DEADLINE DATES
1. Extended for U.S.A. Bicentennial Student Film Making Program (Nov. 14 INTERCOM #155-2)
2. Jan. 1 for Ford Foundation Research on the Soviet Union and Eastern Europe (Nov. 7 INTERCOM #154-4)
3. Feb. 2 (May 1 & Sept. 1) for NIH Research Career Development Program (Nov. 21 INTERCOM #157-10)
4. Jan. 2 (May 1) for NIH sample of media. (Quintessence, Nov. 1974)
5. Jan. 6 for O.E. Field Initiated Studies (Oct. 24 INTERCOM #152-2) . . .



Juilliard Quartet, on Artists Series Jan. 11.

Artists Series

The "finest string quartet in the world" has been used to describe the Juilliard String Quartet which will be featured on the Artists Series Saturday, Jan. 11, at 8:30 p.m. in Schwab Auditorium.

The early announcement (in INTERCOM) of this program is made because tickets for the performance will go on sale Tuesday, Jan. 7, at the HUB, and not many tickets are available because many season tickets were sold for the Fine Arts Series, of which this program is a part.

Juilliard's program will include Mozart's "Quartet in D Major, K. 575"; Bartok's "Quartet No. 6," and "Beethoven's "Quartet in F major, op. 135".

The instrumentalists are Robert Mann and Early Carliss, violins, Samuel Rhodes, viola, and Joel Kronnick, cello.

Staff vacancies

University faculty or staff members who are interested in any of the staff exempt or staff non-exempt jobs listed below may apply by calling Employment Division 465-5387 (Network Line 475-1387). Do not contact the area having these positions. Applications will be accepted until 5 p.m.:

THURSDAY, JANUARY 2, 1975 SENIOR RESEARCH AIDE, COLLEGE OF AGRICULTURE — University Park

Supervise employees in seed preparation, fertilization, seeding, spraying, maintenance work on forage crop and pasture experiments. Instruct and assist graduate students in the practical aspects of forage crop harvesting, seeding, fertilization, seedbed preparation, etc. Design and establish field experiments to determine the effect of management variables on the performance of forage and pasture species and livestock. Bachelor's degree or equivalent in animal science or agronomy with minor or strong interest in the related area, plus one to two years experience, or an associate degree in animal science or agronomy with two to four years of related experience.

SERGEANT — Capitol Campus

Responsible for the supervision of the evening or night patrol, as well as various checks, details, and related duties, to assure the safety and security of the personnel and property of the Capitol Campus. High school education with courses in Police Officer Training, plus two to four years related experience with part of this experience in a supervisory capacity.

THE UNIVERSITY IS AN EQUAL OPPORTUNITY EMPLOYER

WPXS highlights

Sunday, Dec. 22 — Recorded, Penn State-Indiana State wrestling meet, 4 p.m. (Meal on Dec. 14).

Sunday, Dec. 22 — Scientists who developed use of anesthesia, on "Now," 7:30 p.m.

Monday, Dec. 23 — Jean Sebatine, director of Jazz Dance Theatre, on "Talkabout," 10 p.m. Also Tuesday, Dec. 24, 3 p.m., Saturday, Dec. 29 at 1:30 p.m.

Tuesday, Dec. 24 — 1972 (recorded) Christmas Concert by Concert and Chapel Choirs, 9 a.m.; also Wednesday, Dec. 25, 1 p.m.

Wednesday, Dec. 25 — Leonard Bernstein and Boston Symphony, 8 p.m.

Thursday, Dec. 26 — Jaccinto Theatre concert, 9 p.m.; also Saturday, Dec. 28, at 8 p.m.

Art classes

The Department of Art Education will provide ten art classes for children and teen-agers in the Winter Term.

The classes will be held each Saturday, 8:45 to 10:45 a.m. from January 11 to Feb. 22. From this week until Jan. 6, enrollment of the child can be done by calling 865-6570 between 8 a.m. and 5 p.m.

Classes to be offered are: arts and crafts, ages 6-7; drawing and painting, 6-7; 3-D art, 8-12; sculpture and crafts, 8-12; drawing and painting, 8-12; ceramics for teens; sculpture for teens; drawing and painting for teens; printmaking for teens; and jewelry for teens.

Gerontology training project gets aid

The Gerontology Center in the College of Human Development has received a one-year renewal grant of \$103,000 from Old Americans Act funds for a project entitled "Social Gerontology — Training and Community Service."

Dr. Tom Hickey, associate professor of human development and associate chairman of the Center, said the long-range goal of the subject is "the improvement of services to the State's elderly by implementing a program of research and continuing education focused on the providers of gerontological services to older people."

The project was examined recently at a national meeting as a possible model for the development of statewide educational consortia in gerontology.

Dr. Hickey said specific objectives of the 1975 project year include:

—Continued development of the community-based intern and degree programs for service providers to the elderly, and the development of the resource and referral center in gerontology, under the direction of Dr. Dennis Harmeister and Paul J. Axinn.

—Continuation of the "Society and Aging" series for practitioners and areawide agency personnel, and expansion of developmental work begun in the "Faculty Seminar Series" with various interested educational institutions in the Commonwealth. This work is being directed by Sally White and Michael Greenfest.

—Research in various areas of adult learning in the human services context, directed by Betty Fatula and William Rakowski.

Ice skating lessons available at rink

Ice skaters of all ages, and potential skaters as well, may receive instruction in the Pennsylvania State University Ice Skating School to be conducted on a variety of schedules at the Ice Rink to accommodate the faculty, staff, other area residents and students who can benefit from group instruction.

The first session will be held Saturday, Dec. 21, from 1 to 2 p.m., with Kurt Oppelt, instructor in physical education and former Olympic figure skating pairs champion, in charge.

Each school will consist of five one-hour sessions, in consecutive weeks at the stated time. These sessions will be held in the new year, beginning Tuesday, Wed-

nesday and Thursday, January 7, 8 and 9 at 7:30 p.m.

And also scheduled is a special Christmas school Dec. 23, 24, 26, 27, and 28 at 1 p.m. (Monday, Tuesday, Thursday, Friday and Saturday).

A charge of \$20 for the five sessions is made, payable at registration. Registration for the school can be accomplished at the Ice Rink at any time the rink is open.

These schools have proved tremendously popular in past years. Oppelt is a nationally-recognized teacher of ice-skating, having developed special programs for the handicapped who frequently obtain a psychological lift from their success in learning to skate.

Wilkes-Barre has bio-med program

A new two-year associate degree program in Biomedical Equipment Technology has been established at the Wilkes-Barre Campus.

The program is designed to prepare specialists knowledgeable in the installation, operation, calibration, inspection and maintenance of biomedical and related technical equipment.

George W. Bieri, Wilkes-Barre Campus director, said funding sources for the first year of the program include a grant from the Greater Delaware Valley Regional Medical Program.

"The program objective," he said, "is to provide a continuing supply of persons educated and trained in the rapidly ex-

panding technology of medical equipment by upgrading the skills of current selected hospital employees and developing new skills and capabilities in recent high school graduates, military veterans, and other persons interested in becoming members of the health care delivery team."

Course work for the first year of the program, being offered under the Department of General Engineering, will be the same as that for Electrical Engineering Technology students. Courses in the second year will include specialized aspects of biomedical equipment.

Following completion of the course work, students will undergo a ten-week internship in a hospital.

UNITED —

(Continued from page one)

"The average gift of 1,118 contributing University employees was more than \$9 above last year's average gift," Charles Lupton, executive director of the Office of Gifts and Endowments and University division chairman, said, pointed out.

He said this is commendable considering the inflationary cost of living and overall tighter family budgets.

"This is evidence that those who gave recognize the worthiness of community activities supported by the United Way," he declared. "A quality community is one that provides needed services or essentials for the maintenance of adequate living standards for all."

Lupton said he was proud that so many members of the University Community had fulfilled their community obligations. He is confident the 25 member agencies which provide a variety of worthwhile community services will be able to perform more effectively with this fine support.

Serving as University sub-chairman this year were: Howard W. Thoele, Agriculture; Carroll D. Price, Arts and Architecture; Richard D. Twark, Business Administration; Shelton S. Alexander, Earth and Mineral Sciences; Keith A. Hall, Education; MacDonald Heister, Engineering; J. E. Ward, Health, Physical Education, and Recreation; and Margaret Bastuscheck, Human Development.

Also John Romano, the Liberal Arts; Eugene S. Lindstrom, Science; John A. Domroski, Housing and Food Services; Joseph Kilian, Administration; J. Williams Jacobs, Continuing Education; Robert Marboe, Intercollegiate Programs; Jerry Boyles, Maintenance and Operations; and David L. Colton, publicity.

SENATE —

(Continued from page one)

ties of a Board of Regents; establishing the office and duties of a chancellor of the University; defining the powers and duties of presidents and the council of trustees of the University institutions; relating the power and duties of the State Board of Education with the University; and making certain reports. If passed, both SB 1472 and 743 would have far-reaching effects on Penn State.

Of course, many educationally related bills are introduced which have slim chance of being passed by the legislature. Knowing which are going "to move" and keeping track of them is a responsibility of the External Affairs Committee, working in concert with Vice President Ferguson and his staff. At times the University Faculty Senate may be helpful in delineating policy issues before the Legislature which are of considerable concern for the University. The Committee feels, moreover, that in most instances the image and advancement of the University will be enhanced if individual faculty, the University Senate, and the University administration are knowledgeable about what the other is doing and each endeavors to complement the efforts of the other.

Achieving this goal will require communication and cooperation. This is one of the jobs of the Senate External Affairs Committee. Developing ways of acquainting the faculty with legislative needs and how the legislature operates is an objective in the months ahead. The Committee encourages all faculty and staff to become better acquainted with his/her legislator. In most cases, this relationship will have positive results for the total University. In a way, that's what external affairs is all about.

Books on sale

For a last-minute Christmas shopping idea, consider the sale of University press titles, including art books, which are available at 25 per cent off until the end of the year. You can buy them from 215 Wagner during usual office hours.

Council considers confidentiality

A suggested Interim University Policy on Confidentiality of Student Records was considered December 5 by University Council, one of several governing groups asked to study the proposal.

Because of the need to finalize policy by Jan. 1, Council members delegated to a sub-committee appointed Nov. 7 to propose guidelines and recommendations on recordkeeping the task of studying the proposal and making recommendations regarding it.

Kenneth M. Novak, graduate student, is chairman of the subcommittee, which was to make its report earlier this week to the chairman of the Council, Provost Russell E. Larson.

The Council also heard a report on his response of academic department heads to the survey made among graduating seniors last Spring in which the seniors evaluated courses they had taken during their college years.

Where more than three comments were made on a specific course, a report was forwarded to the department head concerned. Of the 100 department heads receiving reports, 82 responded.

The responses indicated that the evaluation of courses identifies instructors who have superior teaching ability as well as those who need to be more closely counseled; that it identifies courses needing to be more closely evaluated; that benefits of the evaluations outweigh disadvantages; that the evaluation should be made every Spring Term; and that data from successive years (a similar survey was made in 1973) are much more meaningful than the data from a single year.

After hearing the report, made by Laurie P. Greenhill, director, and Dr. David W. Stickle, supervisor of examination services, both of the Division of Instructional Services, Council voted to have a similar survey conducted of graduating seniors when they register for the 1975 Spring Term, which will provide data for the third successive year.

Take-home pay will change with taxes

Take-home pay of University faculty and staff members in 1975 will be affected by changes in Social Security and by changes in the Pennsylvania Income tax rate.

Although the Social Security tax rate of 5.85 per cent remains the same as it has been in 1974, the "base" of \$13,200 will be raised to \$14,100 in the coming year. Employees earning less than \$13,200 will be unaffected by the change, but those with salaries above that amount will pay more in the year; that is, the monthly deduction will remain the same but the percentage deduction will be made over a longer period. The maximum additional amount to be paid in 1975 is \$5. The increase will go to pay for increased SS benefits.

Last Spring, the Legislature reduced the State income tax rate, retroactive to January 1, 1974, and adjusted withholding rates for the remainder of the year to compensate for the difference. Since May 1, 1974, the State income tax has been withheld at the rate of 1.85 per cent. In January, 1975, the deduction will be made at the rate of two per cent and remain so for the year, unless further changes are made by the Legislature. The difference in take-home pay is only 0.15 per cent of gross salary.

TV quarterbacks

A post-Cotton Bowl TV Quarterback program, with Joe Paterno, Jim Tarmann and Fran Fisher, will be broadcast over WPXS and WOED in Pittsburgh, Sunday, Jan. 5, at 7 p.m. The same program will be broadcast by WLTV, Allentown, Tuesday, Jan. 7, at 9:30 p.m. and over WYAT, Scranton-Wilkes-Barre, Thursday, Jan. 9, at 9 p.m.

A Merry Christmas and Happy New Year

PENN STATE intercom

Volume 4, Number 17

January 9, 1975

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

To provide economic support, security for present faculty, staff

President announces controls on budget commitments

To help to insure maximum security for faculty and staff of the University at a time when the University faces serious financial needs and limited resources, President John W. Oswald on Tuesday outlined Procedures to Control Permanent Budget Commitments in a letter addressed to members of his staff, the Council of Academic Deans, and the Council of Commonwealth Campus Directors.

BACKGROUND

As you know, Governor Shapp has found it necessary to veto Senate Bill 1960 which would have provided \$1.7 million to cover legislatively mandated employee costs of State Retirement. Act 31, enacted last March, provided further improvements in retirement benefits for members of the retirement system including faculty, staff, and other employees of the University. As a result, the employer's contribution, paid by the University budget, was further increased. We have not been able to absorb this new obligation into our budget together with escalating costs of inflation and have been seeking appropriate relief from the State Government. We now have been officially notified that a substantial additional increase in the Employer's share will be required in fiscal 1975-76 in order to insure financial soundness of the Retirement Fund. We already have amended our 1975-76 Appropriation Request upward by \$2.9 million to reflect this.

We will continue to seek supplemental

State support for this mandated and greatly increased continuing budget cost for important staff benefits. As you all are aware, the problem of obtaining additional State support is made much more difficult because State revenues are limited and the numerous state supported Agencies are also subject to inflationary cost increases.

Our direct costs of Physical Plant operations have increased this fiscal year to \$3 million above the initial budget. Prospects are for further increases next year, due almost entirely to increases in fuel and utilities costs. Previously announced conservation measures, and others we may find necessary and possible in the future can help to hold down the rate of physical plant cost increases somewhat, but we nevertheless continue to experience unavoidable cost increases.

The Midyear Budget Review, which has just been completed, confirmed the existence of a number of urgent situations requiring prompt attention, particularly in mitigating teaching overloads caused by increased enrollments in a few departments. In many cases, enrollments can be handled with existing numbers of faculty and graduate assistants. In some cases, however, this does not appear to be reasonable to expect.

Faced with these serious financial needs and limited resources, I am determined, to the extent of our ability, to devise measures that will provide maximum economic support and security for persons now employed by the University.

Finally, we continue to be aware of the need for appropriate salary adjustments next year, to assist in coping with the increased prices of family necessities and to maintain equitable compensation levels for Penn State's faculty and employees.

It is vital, therefore, that measures be taken to permit future internal budget reallocations and to hold down expenses in order to meet most essential needs.

I have already directed even greater emphasis on energy conservation measures, through the Executive Energy Conservation Committee chaired by Vice President Ralph E. Zilly. In the near future, I will communicate with you regarding further measures we may need to take to seek further economies in the areas of travel, supplies, communications, and other operating expenses. In the meantime, I am instituting as a first step the position control procedures described below. These measures are designed to increase our budget flexibility for 1975-76 in a manner that will be least disruptive of essential operations.

PROCEDURES

A. Hiring Restrictions on all classes of Employees. Effective January 6, 1975, no continuing regular positions are to be filled until further notice. Letters of offers mailed prior to January 6 will be honored, but no additional offers may be made unless ap-

(Continued on page two)

Parking stickers



Clone Barr, of the U.O.I.S. staff, reminds all faculty and staff members that the deadline for applying the new parking decals for the University Park Campus is Jan. 15, when enforcement will begin. If you are eligible for a decal and have not yet received one, see your parking chairman.

News in brief

RETIRED STAFF CLUB

The Retired Staff Club will hold its 16th meeting today (Thursday, Jan. 9) at the St. Andrews Episcopal Church Life Center at 7 p.m. Dr. Napoleon Chagnon (associate professor of anthropology who is subject of a feature story in this issue of INTERCOM) will show slides and discuss his experiences among the Yanomamo Indians.

YORK WORKSHOP

A management planning and controlling (Continued on page four)

Field research among Yanomamo gave Chagnon many problems

After your parents have christened you Napoleon, what can you do for an encore? You may not want to go quite as far as anthropologist Napoleon A. Chagnon did to get a new name. He acquired the title of "Shaki" after spending three years in the wilds of the Venezuelan jungle with the Yanomamo Indians, as the first outsider many of them had ever seen.

Dr. Chagnon, an associate professor, has thus far written two books about his experiences and documented them further with some 100,000 feet of film, from which he and his partner, Timothy Asch, will produce at least 50 ethnographic movies. Copies of their original prints are

placed to repose in the Smithsonian Institution as the record of a culture ultimately doomed to vanish under the jangling of missionaries and the ravages of civilization-induced disease.

Three of Dr. Chagnon's award-winning

FILM SHOWING

Dr. Napoleon Chagnon's film, "A Man Called Ben," concerning his research with the Yanomamo Indians noted in the accompanying article, will be shown Tuesday, Jan. 14, at 7:30 p.m. in Room 102 Forum. There is no admission charge.

films are already in classroom service, puncturing completely the myth of the

noble savage leading a carefree, happy life in the wild.

Dr. Chagnon himself had a certain romantic bias when he made his first trip to Venezuela in 1964. He describes his hopes in his book, *The Fierce People*, at the moment of his initial contact with the tribe:

In just a few moments I was to meet my first Yanomamo, my first primitive man. What would it be like? I had visions of entering the village and seeing 125 social facts running about calling each other kinship terms and sharing food, each waiting and anxious to have me collect his genealogy. . . .

Reality, alas, was quite different. The Indians were covered with dirt, boastful, and frequently "high" as the result of inhaling hallucinogenic snuff. They nagged continually for food and gifts, lied — often very ingeniously — about their kinship patterns, beat their wives, and warred incessantly on one another. The level of warfare was a particular shock.

"It has been widely assumed among anthropologists that warfare is a recent development," Dr. Chagnon notes, "that given their natural bent, primitive peoples would not fight, or if they did, it would only be as a result of a shortage of calories or land. This is simply not true. The warfare level of the Yanomamo is very high by world ethnographic standards, yet they have more land than they know what to do with and plenty of food. During my first 15-month stay with them, I witnessed innumerable club and ax fights and regularly visited a village which had been raided 25 times."

Dr. Chagnon believes there are about 10,000 to 15,000 Yanomamo living in some 125 widely scattered villages of from 40

to 250 inhabitants. Many of these villages have never been contacted by outsiders, so any estimate must depend to a certain extent on word-of-mouth and guesswork. Although there may be larger uncultivated tribes still living in New Guinea and other parts of Melanesia, the Yanomamo are the largest group left in South America.

Their days are numbered, however. Missionaries are trying to convert them, and contact with outsiders produces devastating effects. A common cold or measles can wipe out half a village.

Field research with the Indians posed many problems. Dr. Chagnon's goal was to chart the tribe's social organization by establishing marriage and kinship patterns. The Yanomamo, however, have a taboo on mentioning the names of the dead, which obviously constitutes a great obstacle to someone interested in tracing their genealogy. It was many months before Dr. Chagnon realized that they were simply making up outrageous names for him to record conscientiously in his field notebooks. Finally, he located a few trusted informants, usually outsiders in the village where he was working, to give him facts which he could cross-check in the next village.

The Yanomamo settlements are tiny clearings set in the midst of dense jungle usually with adjacent gardens where they cultivate plantains, a member of the banana family; sweet manioc, a root crop that can be refined into flour; potatoes; maize; and peach palms. Tobacco and cotton are also grown. Housing is simple. Each family builds itself a section of a common, circular shabono, made from poles thatched with leaves. When it begins to leak or the bugs in the roof get too much for them, they simply burn it down and start anew.

(Continued on page four)



Dr. Napoleon Chagnon, associate professor of anthropology, is known as "Shaki" to the Yanomamo Indians of Venezuela, where he spent three years studying the Indians, finding a number of facts that discount commonly held beliefs about such peoples.

- 2 -

University Park Calendar

January 9-19, 1975

Items to be included in this calendar should be sent to the editor, Room 312 Old Main, by Thursday of the week preceding publication.

Special Events

Friday, Jan. 10 — University Readers, 7 p.m., Room 112 Kern.
Friday, Jan. 10 — Commonsplace Coffee-house, 8 p.m., Room 102 Kern. New talent.
Saturday, Jan. 11 — Artists Series, Julliard String Quartet, 8:30 p.m., Schwab.
Saturday, Jan. 11 — Sports: Women's rifle, vs. Carnegie Mellon, 2 p.m. Men's fencing, vs. Johns Hopkins, 2 p.m. Men's basketball, vs. West Virginia, 8 p.m., Rec Hall, Wrestling, vs. Kentucky, 2 p.m., Rec Hall.
Saturday, Jan. 11 — Special Martin Luther King birthday observance program, 7 p.m., Chapel Main Lounge, with Rev. Vernon M. Herron and Dr. Roslyn P. Glazerman.

Seminars

Thursday, Jan. 9 — Chemistry, 12:45 p.m., Room 333 Whitmore. Robin M. Hochstrasser, University of Pennsylvania, on "Chemical Dynamics and Spectroscopy in the Picosecond Regime."
Thursday, Jan. 9 — Physics, 3:35 p.m., Room 117 Osmond. Martin Gutzwiler, IBM Watson Research Center, New York, on "Ferromagnetism in Transition Metals."
Thursday, Jan. 9 — Meteorology, 3:55 p.m., Room 26 Mineral Sciences, Lance Bosart, State University of New York, Albany, on "Observations of Mesoscale Circulations."
Thursday, Jan. 9 — Statistics, 4 p.m., Room 69 Willard. Gary Simon, Princeton University, on "Kendall's Tau in Multivariate Situations."
Thursday, Jan. 9 — Biophysics, 4 p.m., Room 617 Life Science I, Dr. H. Clarke Anderson, Downstate Medical Center, State University of New York, on "The Role of Matrix Vehicles in the Cellular Regulation of Calcium."
Thursday, Jan. 9 — Agronomy, 3:45 p.m., Room 301 Ag. Adm. Jim Hook on "Wastewater Nitrogen — Hindrance to Disposal of N-Fertilizer Source."

Meetings

Thursday, Jan. 9 — College of Liberal Arts faculty, 3:30 p.m., Room 121 Sparks.
Monday, Jan. 13 — USG Senate, 7:30 p.m., HUB assembly room.
Monday, Jan. 13 — Gamma Pi Epsilon, Women's Pre-medical Society, 8 p.m., McElwain piano lounge. Richard R. Bishop, electrical engineering, on "Biomedical Engineering."
Monday, Jan. 13 — OTIS, 6:30 p.m., Room 203 HUB.
Tuesday, Jan. 14 — ARHS, 7:30 p.m., Room 203 HUB.
Tuesday, Jan. 14 — Returning Women Students, 7:30 p.m., Room 102 Kern.
Dr. Erlise Snyder, professor of sociology, speaker, with group discussion to follow.
Wednesday, Jan. 15 — Association for Women Students, 7 p.m., Room 203 HUB.
Thursday, Jan. 16 — English Department faculty, 3:45 p.m., Nittany Lion Inn, Fire-side Room.

Exhibits

Museum of Art — Paintings, Drawings and Prints of Bruce Shobaken, Gallery A. Carlo Maratti and His Contemporaries. Drawings from the Italian Baroque, Gallery C. opening Jan. 19. Selections from the Permanent Collection, Gallery B.
Zoller Gallery — Works by new art faculty members Sue Hettmansperger and Christine Manchester (prints); Robert Dieckes, David Rubelle, John Schmidt, and Walter Hamilton (paintings); Rolf Koppel (photos); Anessa Strong and Andrew Vargo (graphic design); Steve Porter, John Spaulding, Ronald Gallas and Rob Fisher (sculpture). Until Jan. 18.
Hammond Gallery — 95 panels of photographs of architectural works by Donato d'Agostino Bramante (1444-1514), architect for St. Peter's basilica; three models.
Chambers Gallery — Kirsch, media.
Kern Gallery — Penn State Press exhibition of the 1974 Book Show of the Association of American University Presses, Jan. 13-15, from 10 a.m.-4 p.m.
Chambers Bldg., Bridge, 2nd floor — 18 Window Panels by art education undergraduates, until Jan. 10.

Lecture

Thursday, Jan. 9 — International Affairs Lecture, Don Luce on "Vietnam: The Prospects of Reconciliation," 7:30 p.m., Room 101 Kern.

Sunday, Jan. 12 — Chapel Service, 11 a.m., Black Cultural Center. Martin Luther King Memorial Service, Rev. Vernon M. Herron, National Ministries, American Baptist Churches, Valley Forge.
Sunday, Jan. 12 — University Readers, 7 p.m., Room 112 Kern.
Monday, Jan. 13 — Anita Greenlee, organ recital, 8:30 p.m., Music Recital hall. Music by Pascheibel, Bach, Franck, and Messiaen.
Tuesday, Jan. 14 — GSA Workshop, 7:30 p.m., Room 101 Kern.
Wednesday, Jan. 15 — Thalia Trio, 8:30 p.m., Music Rec. hall. Beethoven's Trio No. 1 and Tschalkowski's Trio, Op. 50.
Wednesday, Jan. 15 — Artists Series Chapel film, "City Lights," 8:30 p.m., University Auditorium.

Thursday, Jan. 9 — Meteorology, 3:55 p.m., Room 26 Mineral Sciences, Lance Bosart, State University of New York, Albany, on "Observations of Mesoscale Circulations."
Friday, Jan. 10 — Statistics, 4 p.m., Room 102 McAllister. John Wellner, mathematics, University of Washington, on "Inequalities for Empirical Processes."
Monday, Jan. 13 — Architecture, 7:30 p.m., Room 128 Sackett. Frederick Fensler, Architects and Engineers Collaborative, State College, on "Side-Track Approach to Architectural Practice."
Monday, Jan. 13 — Genetics, 3:55 p.m., Room 111 Life Science, Dr. Robert P. Pfeiffer, agronomy, on "Procedures and Experiences Concerning Patent Applications for Genetic Materials."
Monday, Jan. 13 — Biophysics, 4 p.m., Room 617 Life Science I, Dr. Klaus Weber, Cold Spring Harbor Laboratories, Cold Spring Harbor, N.Y., on "Visualization of Structure in Mammalian Cells Using Specific Antibodies."
Monday, Jan. 13 — Ecology, 4 p.m., Room 112 Kern. Dr. Herman Klerkepool, Texas A. & M. University, on "Orientation Mechanisms in Fish and Sharks."

Friday, Jan. 17 — Women's Conference, jammy, "The Deadly Nightshade," 9 p.m., HUB ballroom.
Friday, Jan. 17 — Folk and Square Dance Roundup, 7:30 p.m., White Bird, south gym.
Friday, Jan. 17 — Artists Series, Prague Chamber Orchestra, 8:30 p.m., University Auditorium.
Friday, Jan. 17 — Commonsplace Coffee-house, 8 p.m., Room 102 Kern. New talent.
Friday-Sunday, Jan. 17-19 — University Children's Theatre, "Otoi," Pavilion Theatre, Friday at 2:30 and 7:30 p.m.; Saturday at 10:30 a.m. and 2:30 p.m.; Sunday at 2:30 p.m.
Friday, Jan. 17 — Sports: Men's fencing, vs. Notre Dame, 3:30 p.m., Rec Hall.

Saturday-Sunday, Jan. 18-19 — Women's Conference, workshops, Saturday from 11 a.m.-5:30 p.m., Sunday 10 a.m.-5 p.m., HUB ballroom.
Saturday, Jan. 18 — Women's Conference, feminist speaker Rita Mae Brown, 8 p.m., Schwab.
Saturday, Jan. 18 — Sports: Women's fencing, vs. Jersey City, University of Pennsylvania, and Randolph-Macon, 9 a.m. Wrestling, vs. West Chester, 2 p.m., vs. North Carolina, 8 p.m., Rec Hall.
Sunday, Jan. 19 — Chapel Service, 11 a.m., Eisenhower Chapel. Dr. Russell Larson, Provost.
Sunday, Jan. 19 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

Thursday, Jan. 16 — Chemistry, 12:45 p.m., Room 333 Whitmore. Donald Jerffe, National Institutes of Health.
Thursday, Jan. 16 — Physics, 3:35 p.m., Room 117 Osmond. H. K. Hentsh on "Beginnings of Photography: The Invention of the Photographic Process, Its Reception by the Public and Its Uneasy Relationship with Graphic Arts."
Thursday, Jan. 16 — Biophysics, 4 p.m., Room 617 Life Science I, Dr. William Catterall, National Heart and Lung Institute, Laboratory of Biochemical Genetics, NIH, on "Activation of the Action Potential Sodium Ionophore by Neurotoxins."
Thursday, Jan. 16 — Meteorology, 3:55 p.m., Room 26 Mineral Sciences. Dr. John J. Cahir on "AFOS."
Thursday, Jan. 16 — Statistics, 4 p.m., Room 69 Willard. Professor K. Ruben Gabriel, Hebrew University, Jerusalem, on "The Biplot — a Graphical Aid to Interpretation of Multivariate Data."
Friday, Jan. 17 — Ceramic Science, 11 a.m., Room 301 Mineral Industries, V. S. Ban, RCA, Princeton, on "Mass Spectrometric Probing of CVD Gases."

Films

Thursday-Sunday, Jan. 9-12 — USG film, "Journey through the Past," 6:30, 8:15, and 10 p.m., HUB assembly room.
Friday-Sunday, Jan. 10-12 — Centre Cinema, "The Owl and the Pussycat," 7:30 and 9:30 p.m., Room 111 Forum.
Monday, Jan. 13 — French film series, "The Soft Skin," 7 and 9 p.m., Room 102 Forum.
Monday-Tuesday, Jan. 13-14 — Simmons lounge film series, "Jane Eyre," 7 and 9:15 p.m., Simmons lounge.
Tuesday, Jan. 14 — "A Man Called Bee," produced by Dr. Nelson Chagnon, 7:30 p.m., Room 102 Forum.
Tuesday-Wednesday, Jan. 14-15 — Commonsplace Theatre, "Barbarella," 7 and 9 p.m., Room 112 Kern.

Artists Series

One of the most famous of Charlie Chaplin's films will be featured Wednesday, Jan. 15, on the Chaplin Film Festival (in University Auditorium, 8:30 p.m.) when "City Lights" will be shown. This 1931 film, considered one of the most melancholy and beautiful of Chaplin's efforts, concerns the little tramp's love for a blind girl who sells flowers on the street corner. Tickets for the film will be sold at the door one hour before showing.

Tickets for the Artists Series program by the Prague Chamber Orchestra Friday, Jan. 17, will go on sale Monday, Jan. 13, at the University Auditorium, where the performance will be given, and at the HUB. The orchestra will play Haydn's "Symphony in C Major, No. 48" (called the "Mute Theresa symphony"); Janacek's "Sule for Strings"; and Mozart's Symphony in E-flat Major, No. 39.

Other events in January on the Artists Series are: Tuesday, Jan. 21, Bergman film, "Wild Strawberries"; Sunday, Jan. 26, "River Niger," the Negro Ensemble drama production of the Joseph Walker hit play; and Friday, Jan. 31, the Matteo and Indo-American Dance Co.

Tickets are currently on sale at the HUB for the Artists Series performance Saturday (Jan. 11) by the Julliard String Quartet in Schwab Auditorium, beginning at 8:30 p.m.



These Federal Republic of Germany gymnasts will compete against women gymnasts of the U.S., as will a team of men, in Rec Hall Jan. 24-25.

Avenir to compete against W. Germans

One of the highlights of the January sports scene in Rec Hall is the gymnastics competition between a team from West Germany and a selected team of outstanding U.S. gymnasts. Both men and women. Among the American gymnasts to be competing Friday and Saturday, Jan. 24-25, are: Marshall Avenir, former Penn State star, and John Crosby, Olympian.

Tickets for the two nights are current-

ly on sale in Rec Hall (Room 237), at \$9 per ticket. The first evening's events include women's vaulting and uneven bars and men's floor exercises, pommel horse and rings. The second evening (Saturday) will have women's balance beam and floor exercises and men's vaulting, parallel bars and horizontal bar. The Penn State Blue Band, directed by Dr. James Dunlop, will entertain.

Theatre opens with children's play

John Wheatcroft's "Otoi" will open the University Theatre's Winter Term program. A Children's Theatre production, directed by Helen Maruff, assistant professor of theatre arts, the play is the story of a boy's search for a troll, a creature living in his imagination that both frightens and fascinates him.

"Otoi" will open Friday, Jan. 17, at Pavilion Theatre, with performances at 2:30 and 7:30 p.m. Other performances will be given Saturday, Jan. 18, at 10:30 a.m. and 2:30 p.m.; Sunday, Jan. 19, at 2:30 p.m.;

Friday, Jan. 24, at 2:30 and 7:30 p.m.; Saturday, Jan. 25, 10:30 a.m. and 2:30 p.m.; and Sunday, Jan. 26, 2:30 p.m. Tickets for "Otoi" will go on sale at the University Theatre box office (reservations, call 865-1884) January 13 and will be available at the Pavilion box office on performance days from 6 to 8 p.m., and on days of afternoon performances tickets will be available one hour before curtain.

methods workshop for engineers and managers will be held at York Campus Jan. 17-18. The two-day workshop on PERT/CPM (Program evaluation and review technique and the critical path method) will include fundamentals of the methods as well as applications in planning, scheduling and cost control. Merrill W. Buckley, Jr., administrator of planning and measurement in the Missile and Surface Radar Division of RCA Corp., Moorestown, N.J., will be the workshop leader.

KING REMEMBRANCE

A special hour of remembrance and reflection to celebrate the birthday of Martin Luther King will be held Saturday, Jan. 11, in the large lounge of the Helen Eakin Eisenhower Chapel, beginning at 7 p.m. Dr. King will be present during the informal discussion. They are the Rev. Vernon M. Herron, secretary of the Division of Social Ministries of National Ministries, a national agency of the American Baptist Church, and Dr. Roslyn P. Glazerman, assistant professor of religious studies at Penn State. Dr. Herron will be the Sunday chapel speaker the next day.

Anyone may attend this gathering, which is symbolic of the need expressed by Dr. King for people of all persuasions and races to talk together.

CHAGNON —

(Continued from page one)

One of Dr. Chagnon's in-depth studies was made in the large village of Mishimaboweli, which he first contacted in 1968 and describes in his second book, *Studying the Yanomamo*. He had long wanted to visit this previously uncontacted village, but had been put off by rumors that it might cost him his life. He finally decided to attempt the trip guided by Karina, a 12-year-old boy who had been born there, and accompanied by a second, older boy to help with the gear. Their journey took them up the completely uncharted Mavaca River. On reaching the dropping-off point for the village, the older boy refused to go any farther, announcing he would remain with the canoe. He not only remained with it; he stole it, stranding Dr. Chagnon in a completely unexplored wilderness with natives whose intentions could only be guessed at.

There were very few palatable alternatives, and, perforce, Dr. Chagnon set to work and built his first — and only — canoe, which he hacked out of a tree trunk with the help of a rusty ax which had fortunately made its way to the village. As a canoe-builder, however, he had something to learn. His progress down the river was a series of capsize before Karina and he finally made it back to their base camp.

One night, as he later learned, three natives planned to kill him while he lay ill in a village he was visiting for the first time. Awakening periodically during the night, he shined his flashlight around the village, remembering earlier advice that it was always a good idea to show you were *moyawe* — alert. The natives who had been creeping up on him with axes were dissuaded by the light — and the knowledge that he kept his loaded shotgun by his hammock.

What makes an anthropologist take these risks, not to mention the physical conditions most people would not endure for five minutes — heat, dirt, marginal

BOOK SHOW EXHIBIT

An exhibition of the 1974 Book Show of the Association of American University Presses will be held January 13, 14 and 15 in the Kern Graduate Bldg. Commons exhibit area from 10 a.m. to 4 p.m. The Penn State Press is sponsoring the local showing, which includes 26 books that were chosen from more than 100 submitted by the 55 members of the Association to represent the highest level of design and production in bookmaking. The jacket of a Penn State Press Book, designed by Marilyn Shobaken, art director of the Publications Department, won special recognition in this year's show. The book, by the late Dr. Frank D. Kern, is titled "A Revised Taxonomic Account of Gymnosporangium."

MATH AT CAPITOL

A mathematics lecture series for Harrisburg-Middletown area schools has been initiated by the Capitol Campus department of mathematical science. Dr. Frank Swetz, associate professor of mathematics and education, is coordinator of the program, which is designed for students of junior and senior high schools, mathematics clubs, teacher groups, and parents' organizations. The lectures will be such topics as Game Theory, Why Statistics, and Modern Mathematics — What Went Wrong?

diet, dangers from snakes and wild animals, and a frequently noticed, rarely lovable people?

Dr. Chagnon grew up in a town of 500 in Michigan, one of 12 children. (The name "Napoleon," which he recalls cost him quite a few black eyes in childhood, came from his French Canadian family. Both his paternal and maternal grandparents bore it. His native nickname, "Shaki," was simply a corruption of Chagnon.)

"My mother's hearing was not the best condition," he muses. "I always spent a lot of time in the outdoors and enjoyed hunting and fishing. But I am also a compulsive achiever; I have to get right to the head of the pack. So I went to work for a year after high school to earn money for college, and because it was around the time that Sputnik was launched, I decided to go into what was then a glamor field — physics."

He started out at Michigan College of Mining and Technology (now Lake Superior State College), then transferred to the University of Michigan in his sophomore year. As part of his degree requirements, he took a course in anthropology and found out what he really wanted to do. He stayed on at Michigan for his master's degree and doctorate, beginning his fieldwork with the Yanomamo in 1964 and returning each year through 1972.

"If you want to become prominent in your profession, it helps to pick the kind of field situation no one else wants to touch," he continues in explanation of his drive. "Of course, I started out in anthropology with the Yanomamo. I realized what an exceptionally rare opportunity it was to study a pristine social organization, and that knowledge encouraged me to stay longer in the field than I'd planned."

On his first visit to the Yanomamo, Dr.

Staff vacancies

University faculty or staff members who are interested in any of the staff exempt or staff non-exempt jobs listed below may apply by calling Employment Division, 885-1387 (Network Line 475-192). Do not contact the Employment Division. Applications will be accepted until 5 p.m.

THURSDAY, JANUARY 16, 1975

LIBRARY SYSTEMS SPECIALIST, UNIVERSITY LIBRARIES, UNIVERSITY PARK

Responsible to the Chief of Systems Development for supervision of system programming (research, planning, implementation and testing) on Library's Sigma 9 computer; responsible for management and coordination of Systems staff, for the development, presentation and justification to Administration of comprehensive project documentation. Bachelor's degree or equivalent in appropriate field, four to five years project related experience with medium and large scale time-share computer systems and/or significant experience in large university of special libraries.

RESEARCH AIDE (BIOCHEMISTRY), COLLEGE OF MEDICINE, UNIVERSITY PARK

Inject biochemical materials into laboratory animals; isolate cellular structures from animal tissues by centrifugation; assay for enzymes and biochemical components; make and perform chromatographic separations of biochemical materials; isolate and characterize enzymes. Conduct experiments with radioactive samples. Aid minimal animal surgery. Bachelor's degree or equivalent is required. Research biochemical literature related to the laboratory work as directed. Bachelor's degree or equivalent in Biochemistry or related biological field with up to two years' related experience.

Chagnon took a Bolex movie camera with him. He had been interested in still photography ever since high school but had no experience with motion pictures.

"There really has been very little attempt to document native cultures with motion picture films that are academically useful as well as aesthetically pleasing," he says.

"What you get is either a highly technical film, say 30 minutes on how to insert a flip plug, or something artistically significant but not ethnographically sound."

"After I had shot my first footage, I became convinced that film could be used as a valuable adjunct to writing to make a culture more intelligible both to one's professional colleagues and to students. It gave me the capacity as an anthropologist to document very small but highly complex incidents and to bring out their complexity in a way that words simply can't convey."

Dr. Chagnon struck up a partnership with Timm Asch, a filmmaker who has also studied anthropology with Margaret Mead. Together, carrying a canoe of film and more sophisticated equipment (an Arriflex camera which synchronizes sound), the two men journeyed to Mishimaboweli. Asch did the bulk of the actual filming; Dr. Chagnon, in essence, contributed the scenario, determining which incidents were of anthropological significance. Their first three films, *The Feast*, *Magical Death*, and *Yanomamo: A Multidisciplinary Study*, have captured first prizes at film festivals around the world. "It's a little bit like the sophisticated theoretical statements in a film," Dr. Chagnon maintains. "The Feast, for example, is a 16 mm. documentation of reciprocity theory: People are linked to each other in reciprocal obligations to give women, goods, and services. Most film-

Knowledge of biochemical techniques and skill in operating biochemical instruments.

EDITORIAL ASSISTANT, DIVISION OF UNDERGRADUATE STUDIES — UNIVERSITY PARK

Responsible for assistance in the writing and editing of one of the Division's continuing publications and reports generated by the Division of Undergraduate Studies Academic Information Center. Assist the director and administrative staff with the collection, maintenance and distribution of information pertinent to several areas of the Division's responsibility. Bachelor's degree or equivalent in English, Journalism or a related area plus six to nine months' experience in editing, report preparation and writing.

SUPPLY SPECIALIST, UNIVERSITY BOOKSTORE — UNIVERSITY PARK

Responsible for the non-book operation of the University Park Bookstore. Associate degree or two years' experience in retail sales and/or the operation of a significant size store, including operation. Completion of the National Association of College Stores Management Seminar is desirable.

PROGRAM ADMINISTRATOR — HERSHY MEDICAL CENTER

Responsible to the Director of the Medical Program for various administrative responsibilities involving the Medex Grant to include preparation of various reports, maintaining control of the budget and maintaining liaison with various state and federal governmental agencies. A Bachelor's degree or equivalent preferably in Business, plus four to six years of related experience.

THE UNIVERSITY IS AN EQUAL OPPORTUNITY EMPLOYER

makers simply don't have enough anthropological sophistication to divine this principle. To them, the feast would simply be some 'first fruit' ceremony."

Although it would seem obvious the film is a valuable adjunct to the written word in fieldwork, there is a strong resistance to its use in the anthropological classroom. Dr. Chagnon is eager to turn the situation around by starting a course at Penn State to train anthropology graduate students in the techniques of film making.

"I am concerned about anthropology as a profession, and I don't want to jeopardize the written documents just because it's more fun to make films," he points out. "But good sophisticated films not only make your teaching job easier, they are invaluable records in themselves."

He is not quite through with the Yanomamo. Accompanied by three graduate students, he will return to Venezuela next year to pursue studies of social organization, demography, ecology and warfare in some hitherto uncontacted villages.

Dr. Chagnon admits that it is getting harder and harder to leave his family and the field.

"My threshold of 'fed-upness' gets lower and lower," he comments. "A few years ago, I could spend six months down there untroubled. Now the feeling of having to get out comes on much sooner."

"As a professional anthropologist, one is bound by an obligation not to be disturbed by the fact that one is not much. So when you're pushed around by someone very tyrannical, a not uncommon characteristic among the Yanomamo, you are supposed to bend with the blows. I'm not that kind of person. I did it for three years, and now it's more and more difficult."

15, 1975; and Thesis Papers Appointments for graduate students — one month before starting date. Group 1975-76: Graduate students who have been designated for admission to the College Library Resources Program, Library Research and Demonstration Program, and Library Training Program. (Ref. 39FR46872.73, 12/26/74).

(161-4) New Office of Health Grants (Grants) and Office, Div. Research Grants, Bethesda, MD 20514 invites applications for departments for pre-doctoral and post-doctoral research grants to be awarded to individuals selected by the department. The application deadline is Feb. 15, 1975. Awards are to support research-oriented training in biomedical and behavioral research. The National Research Service Awards. For further information write to the address given above enclosing a questionnaire addressed either for the return of the questionnaire or for the return of the questionnaire (Boucke) is available. **Quarterly Grants** — one-half of tuition for 1975-76 for Penn State graduate students who are undergraduate students. A demonstrated interest in participation in public research. The application deadline is April 1, 1975. The student must be full-time and must be a U.S. citizen. For further information, application forms and further information go to 135 Boucke or the Student Affairs Office on your campus.

Aliens note

Gov. Shapp has proclaimed January as 'Alien Address Report Month,' noting that the Immigration and Naturalization Act requires that all aliens report their current addresses in January of each year.

Some confusion may have occurred. It was pointed out, because aliens that have recently, perhaps in December, reported a change in address, were told that they were not required to comply with the January reporting. Such is not the case however; the January address report is made to a different office.

All aliens, therefore, should obtain an "Address Report Card" from the U.S. Post Office (or nearest Immigration and Naturalization Service office in Pittsburgh or Philadelphia) and return it to the post office, during January.

Funding Opportunities

For procedural and funding source information, call 865-1372.

January 9, 1975

(161-1) Proposals are invited by NSF for Applied Research on Public Regulation and Economic Productivity. The effects of regulation upon economic productivity are to be evaluated, according to program objectives, and information for regulatory legislation, industry, and government regulatory bodies in order to "increase the overall social effectiveness and equity of regulation." Twenty awards will be made covering one or more of five categories: degree and type of regulation, organization of the regulatory process, service and product quality, subsidization, and pricing policies. Projects will be limited to two years with up to \$14 million in total funding. The application deadline date is Feb. 19, 1975. This information has been distributed. Program contact is: Div. of Advanced Productivity Research and Technology (APRTR), Research Applications Directorate, NSF, 1800 G Street, N.W., Washington, D.C. (202-632-4061) (Ref. NSF 74-46).

(161-2) The Office of Education (OE) has announced a Jan. 19, 1975 deadline for the four Fullbright-Hays Act programs. Programs and contacts are: Faculty Research Abroad; Ms. Nell Jackson, International Studies Branch, Office of International Education, OE, The A.O. Streets, SW, POB 23,

Washington, D.C. 20002 (202-245-9808); Doctoral Dissertation Research Abroad, Mr. John Paul Nord, (202-245-2754); Group Project Abroad, Dr. Virginia Knowles (202-245-2794); and Foreign Curriculum Consultants (202-245-2794). Forms and applications may be obtained from the International Studies Branch (39FR43415, 12/13/74 and OFF Program Notes).

(161-3) Sixty-one summer seminars (1975), primarily for faculty of two-year colleges and smaller state and private institutions, have been funded by the National Endowment for the Humanities (NEH). Applicants to the two-month June-to-August seminars to be held in 26 states will receive a \$2000 stipend. The seminars are designed to travel allowance. A list of states, seminar directors, locations, and topics is available. Application forms and information are available from the Division of Fellowships, NEH, Washington, D.C. 20506 (202-237-771) (Ref. NEH News 226).

(161-4) An offer of research faculty appointments in the field of anthropology to members and graduate students at the Argonne National Laboratory has been announced by the Argonne Center for Educational Affairs. The appointments programs and their deadlines are: Faculty Research Participation — Feb. 1, 1975; Laboratory Graduate Partnerships — Feb. 1, and Aug. 1, 1975; Biology Research Institute for graduate students — Feb. 1, 1975; Mathematical and Computer Science Research Institute for graduate students — Feb. 15, 1975; Experimental Research Institute for graduate students — Feb. 1, 1975; Materials Science Research Institute for graduate students — Feb.

PENN STATE intercom

Volume 4, Number 18

January 16, 1975

An internal communications medium for the ecademic community of The Pennsylvania State University published weekly during the four terms of the cless schedule

News in brief

ARTS MANAGEMENT

A conference to review two proposed programs in arts management will be held on January 29 and 30 at the University.

Sponsored jointly by the Colleges of Arts and Architecture and Business Administration and the Division of Continuing Education, the conference will be attended by University personnel and by some 25 invited participants from across the nation, including directors of arts service organizations and visual and performing arts units and representatives of the Pennsylvania Council on the Arts and the National Endowment for the Arts.

Chairing the conference are William E. Crocken, general manager of the Penn State Festival Theatres and assistant professor of theatre arts, and Dr. George Heitmann, associate professor of management science.

To be reviewed are a proposal to establish an interdisciplinary graduate program in arts management and a plan to conduct a two-week executive program in arts management designed for experienced managers in the arts. The conference setting will provide the opportunity for the sponsoring organizations to obtain professional scrutiny and critiques of the proposals.

VICTORIAN BANQUET

A Victorian Banquet, featuring entrees of fried fish with shrimp sauce, roast beef, and roast saddle of mutton, will be staged by the Food Service and Housing Administration 410 (Human Development) class Wednesday, Jan. 22 in the Maple Room of

the Human Development Bldg. Service is at 5:30 p.m. This is one in a series of banquets featuring foods of other lands being planned by the class. Cost is \$4.25 per person and reservations are advised; they may be made by calling 865-7441 in the daytime and 238-2992 in the evening.

PRESIDENT ELECTED

President Oswald has been elected vice president of the Association of American Universities, and next October he will become president. The Association is made up of 48 leading universities in the country; Penn State was accepted for membership in 1958.

CREDIT UNION MEETING

The Penn State Federal Credit Union, whose membership consists entirely of University staff and faculty members, will hold its annual shareholder's meeting Wednesday, Jan. 29, at 8 p.m. in Room 101 Kern Bldg. Election of officers and a review of the services offered to the CU's members during 1974 will be on the agenda. All members are invited.

AG EXTENSION GROWS

The Cooperative Extension Service, in the College of Agriculture, which prides itself on the service it provides for the people of the Commonwealth, reports that its service is reaching more and more people all the time. Last year, for example, Extension held 46,374 meetings attended by 1,552,802 people, and individual help was given to 1,009,079 people by staff members. More than two and a half million publications and circular letters were distributed and more than 22,500 news articles, 3,000 television programs, and 85,000 radio programs were prepared.

And, contrary to what many people seem inclined to think, many of the people served by Extension live in cities and larger towns, not just in rural areas.

INTERNATIONAL DINNER

The HUB Terrace Room cafeteria will feature an International Dinner Wednesday, Jan. 22, with a menu of entrees and desserts from other lands, including: Irish lamb stew; shrimp scampi; South Sea style ribs; veal cutlet Romano; beef Bourguignon; deep fried chicken; and apple strudel, ricotte pie, Dutch apple pie, and walnut torte. Service begins at 4:45 p.m.

PROJECTS APPROVED

Gov. Milton J. Shepp has signed legislation authorizing four capital improvement projects for the University but vetoed one Penn State project in the bill.

Approved are a library-learning center at the Delaware County Campus at Media at an estimated cost of \$3,140,000; laboratory building at the Beaver Campus, Monaca, \$1,182,000; airconditioning for some of the older buildings at University Park which have heavy usage during the summer months, \$3,750,000; and expansion of utilities at University Park, \$650,000.

Alt will be General State Authority projects.

The Governor vetoed a library building planned for Behrend College at Erie, estimated to cost \$5,412,000, which was considered necessary to enable the College to accommodate the 3,500 student enrollment projected for 1985.

The structure at the Delaware County Campus will alleviate a crowded situation where 1,175 daytime students now are using

(Continued on page three)

Women's meeting features feminist

Women's Liberation at the University Park campus is sponsoring a women's conference this weekend, open to all campus and off-campus women whether students or not. Representatives from college campuses throughout the state have been invited to participate.

Entertainment is scheduled for Friday evening in the HUB ballroom, beginning at 9 p.m.

Saturday's program includes both a series of workshops and a presentation at 8 p.m. in Schwab by Rita Mae Brown, poet, novelist, and writer of magazine articles on individualism and feminism. The Saturday workshop topics are:

- 11 a.m. — Self defense.
- 12:30 p.m. — Alternate Life Styles.
- 1:30 p.m. — Theatre.
- 2:30 p.m. — Women and Madness.
- 4 p.m. — Keeping your own name.
- 4 p.m. — Women in the Labor Force.

Sunday's program will include a general meeting at 11:30 a.m. in the HUB ballroom, to be concerned with the advancement of feminism on campuses of Pennsylvania. At 1 p.m., Janet Cooper will speak on "Unity Now — We Lesbians Are Your Sisters." At the same time, a session will be held in the HUB on feminism in sororities. At 2:30 p.m., Dr. Dorothy Harris, of the College of Health, Physical Education and Recreation, will speak on the changing role of women in sports. At 2:30 p.m., the Benedict House will conduct a session on self-examination and contraceptives. And at 3:30 p.m., a session on feminist therapy will be held.

Vienna music lives in books of Mont Alto's Gartenberg

"I consider myself a very fortunate man. The three things I always wanted to do in life were to teach, write and collect medieval manuscripts. I've managed to do all three."

Music is the medium that has enabled Egon Gartenberg to make this statement. It has been part of his life ever since he was a boy in Vienna and a companion and solace during the many years when he was forced to earn his living in less compatible fields.

Now an associate professor of music at Mont Alto, Gartenberg is celebrating the publication this fall of his second book by Penn State's Press. "Johann Strauss, the End of an Era" is a study of Vienna's great waltz king. It was preceded in 1968 by "Vienna, Its Musical Heritage."

"The first book took me nine years to write," Gartenberg recalls, "and I really started it because I missed Vienna so much and despaired of ever seeing the city again. Writing about it was the closest thing to being there."

Gartenberg grew up in the Vienna of the 1920s and 1930. Although his father insisted that he study the piano, he was also a businessman. So while Egon went on to obtain a master of music degree from the Austrian State Academy of Music (where he studied the history of music, piano and conducting), he graduated from the Vienna Academy of Commerce as well.

For a number of years, Gartenberg worked for his father, a hardware wholesaler and "the toughest boss I ever had." But he readily admits that it was his father who introduced him to Beethoven sonatas

and Schubert Lieder, to the drama of Goethe and Schiller, and to the opera and symphony. He received his first instruction in piano from his mother.

While working for his father, Gartenberg had the foresight to apply at the American Embassy in Vienna for a quota number which would allow him to emigrate. When war broke out in Europe, he managed to get a job with Standard Oil, which sent him to Aruba in the Dutch West Indies. It was there that he received his U.S.

visa. It could hardly have come at a better time, since he had been interned by the Dutch as the holder of a German passport. (Austria was now in German hands.)

"While I was in a prisoner-of-war camp on the island of Bonaire," he continues, "I met an opera singer from Berlin, and together we gave several concerts for charity. Perhaps this helped make the Dutch authorities more receptive to my argument that it was foolish to keep me in prison

and feed me when I had a valid U.S. visa. I was the only person released from that camp during the war."

Gartenberg arrived in the U.S. in 1940 knowing no one. His first job took him to Syracuse, N.Y., where he was paid \$20 a week. His facility with languages — he speaks English, French and German — and his business background soon put him into a managerial role. He moved on to Albany and later to Altoona, where he met his wife Belle.

"It was giving a lecture, and she was sitting in the first row," he recalls.

The Gartenbergs settled in Chambersburg in 1946, and Egon became active in musical circles. He taught music appreciation at Hagerstown Junior College and under the auspices of Pennsylvania's Department of Education. In Chambersburg, he had conducted a weekly Sunday radio show on classical music and for 10 years served as conductor of the Cumberland Valley Symphony.

His introduction to Mont Alto occurred, as he likes to say, "through the back door." He had become friendly with the Charles Coxes who were teaching there. Mrs. Cox was also preparing a doctoral thesis on "Beowulf," and since her command of German was imperfect, she asked Gartenberg to help her with certain translations. This, in turn, led to her inviting him to give a talk at Mont Alto. Soon after that lecture, "The Composer in American Society," he was offered a teaching position. That was in 1967, and he has been there ever since.

"In a way, I started writing as a result

(Continued on page two)



Egon Gartenberg reached Mont Alto by circuitous route; he now calls it home.

Death takes three retirees

Fred J. Holben, 86, who retired in 1953 as assistant professor of soil technology, died Wednesday, Jan. 8, at Valley View Haven, Belleville. A 1912 graduate of Penn State, with a master's science degree in 1925, he joined the Penn State faculty in 1913. Working as a soil chemist, he conducted much of his work on the Jordan Soil Fertility Plots of the University. He was the author of 18 professional papers and articles on soil chemistry and the response of crops to long-term rotation.

Ralph C. Blaney, who served in Agricultural Extension Service for 40 years and six months, from 1922 until Jan. 1, 1963, died Monday, Dec. 30; he would have observed his 75th birthday on Jan. 16. Born in Perryopolis, Pa., he was graduated from Penn State in 1922, with a bachelor's degree in animal husbandry. He first served as an assistant county agent in Somerset

County, then as acting Delaware Co. agent, before being appointed county agent for Centre County in 1924. He continued in that post until October, 1946, when he was made assistant director of Extension, the position he held at the time of his retirement. He was very active in national extension work and in Kiwanis, in which he held the post of lieutenant governor at the time. He was also active in Bellefonte education matters while he was county agent for Centre County.

Dr. Henry W. Thurston, Jr., 81, of Stratford, retired professor of plant pathology, died at his home Dec. 19. A native of Lake Forest, Ill., he was graduated from the University of Illinois in 1916 and received his Ph.D. degree from Columbia University in 1922. For 35 years he taught plant pathology at Penn State, retiring in 1954, after which he was for 10 years a consultant in agricultural chemicals for the Union Carbide Company.

Four on faculty are honored

Dr. Herman Cohen, professor and head of the department of speech communication, was named president of the Speech Communication Association during its 60th annual meeting in Chicago, Ill. He served as first vice-president in 1973-74.

The Association has more than 6,000 members of the profession in colleges, universities, secondary and elementary schools, community and junior colleges, and in business and industry. Its purpose is to promote study, research, teaching, and application of the artistic, humanistic, and scientific principles of communication.

Dr. Tom Hickey, associate professor of human development, has been named a Fellow of the Gerontology Society. The appointment of Dr. Hickey, who serves as associate chairman of the Gerontology Center in the College of Human Development, was made at the Society's annual meeting in Portland, Ore.

Dr. Richard G. Cunningham, professor of mechanical engineering and vice president for research and graduate studies at the University, and a former mechanical engineering graduate student, **Raymond J. Dopkin**, have been named the recipients of the Lewis F. Moody Award of the fluids engineering division of The American Society of Mechanical Engineers. The award is given to Dr. Cunningham and Mr. Dopkin, who is now an engineer with DuPont in Martinsburg, W.Va., for an "outstanding original paper on the practices of mechanical engineering," which was presented last May at the Joint Fluids Engineering and Canadian Society of Mechanical Engineers Conference in Montreal, Canada. Research for the paper, "Jet Breakup and Mixing Throat Lengths for the Liquid Jet Gas Pump," was supported by the Department of Mechanical Engineering. The award will be presented in May at the Fluids Engineering Conference in Minneapolis, Minn.

Staff vacancies

University faculty or staff members who are interested in any of the staff exempt or staff non-exempt jobs listed below may apply by calling Employment Division, 865-1387 (network line 475-1387). Do not contact the person having the vacancy. Applications will be accepted until 8 a.m.

THURSDAY, JANUARY 23, 1975

ACCOUNTANT, COST REIMBURSEMENT AND BUDGET — Harshay Medical Center

Responsible to Director of Fiscal Affairs and Assistant Manager of Fiscal Affairs for the supervision and preparation of all cost reports and studies and the preparation and supervision of budgets and budget reports. Initiate entries to the hospital general ledger accounting system. BS degree and equivalent in accounting. Business Administration plus two to four years of hospital accounting experience with emphasis on cost and budgetary reports and control.

THE UNIVERSITY IS AN EQUAL OPPORTUNITY EMPLOYER

Vol. 4, No. 18 Jan. 16, 1975
Penn State INTERCOM is a weekly publication for the academic community of The Pennsylvania State University, published each Thursday when classes are in session. General information and items for the calendar should be sent to the editor by Thursday of the week preceding publication date, Room 312 Old Main.
Editor: W. F. Ackerman Phone 865-7517

Dr. Britton's Service Award

Dr. Joseph H. Britton, professor of human development, Division of Individual and Family Studies, College of Human Development (at right) received not only a Penn State chair and 25-Year Service Award from College Dean Donald H. Ford at a pre-Christmas party in the Living Center of the Human Development, but he also received a great deal of information about himself, some very accurate, some rather suspect but appropriate. The entire late-afternoon affair was attended by faculty, staff, students and some visitors, including Dr. Britton's wife and father-in-law. Some of the information included: the fact that Dr. Britton was born in Michigan, militarily served at Alton College, entered military service, and returned to receive his B.A. degree in 1945. Some facts were also brought out about his University of Chicago days, including the information that he received an M.A. degree in 1948 and a Ph.D. in 1949. Then there was some information about the negotiations which brought Dr. Britton to Penn State as assistant professor of psychology, with notes on the startling salary bargaining. In 1962, he became associate professor and in 1960 professor of child development and family relationships. He served as acting head and head of the same department. With his wife, Dr. Jean O. Britton, professor of education and psychology, he has made a number of studies in the field of psychology on Aging, and his research has resulted in many articles and papers on changes in people of all ages. In addition to Dean Ford, a number of faculty and staff members commented, and gifts, including an imported product not otherwise identified, were given him.



Dr. Paul Welliver, associate professor of education, has been elected to the office of 1975-76 President of the Pennsylvania Learning Resources Association. The Pennsylvania Learning Resources Association brings together educators, media specialists, librarians, teachers, and administrators with professional interest in educational technology, instructional development, teacher education, instructional television, and individualized instruction at all levels of education. The PLRA provides all members the opportunity for implementation of innovative instruction both in Pennsylvania and nationally.

Special series on educational t.v.

A thought-provoking 13-part television series, "The Channel of Man," created by Dr. Jacob Bronowski, has begun on WPXS-TV, Channel 3, and on WTJB-TV, Channel 13, Harrisburg, and other educational stations throughout the country.

On WPXS, each segment of the series will be shown three times weekly, Tuesdays at 10 p.m., Saturdays at 8 p.m., and the following Monday at 8 a.m. WTJB will carry the Tuesday and Saturday broadcasts. The series began Jan. 7.

A college credit course is available to viewers through Continuing Education at Penn State, the University of Pittsburgh, Temple University and other colleges and universities.

The series was filmed in 27 countries, focussing on the actual places where great evolutionary, cultural, and intellectual events took place. The first program was concerned with man's origins and innate gifts, and discussed how man moved around the earth during and after the Ice Age. The second program deals with the development of agriculture and the end of the nomadic period.

The course also includes study guides, texts, and other teaching materials. At Capitol Campus, three workshops will be held in conjunction with the course, with Dr. Michael Barton, assistant professor of social science and anthropology, and Dr. Thomas Knight, associate professor of social science and history, as directors.

WPXS highlights

Monday, Jan. 20 — The Mormon Youth Symphony and Chorus are featured in a special 90-minute tribute to Sergei Rachmaninoff at 8:00 p.m. Featured selections include "The Song," "Vocalise in C Sharp Minor," the third movement from Rachmaninoff's Second Piano Concerto, and "The Gells."

Tuesday, Jan. 21 — Bill Meyer's Journal: International Report premieres at 7:00 p.m. with an hour-long interview with Secretary of State Henry Kissinger.

Thursday, Jan. 23 — Alcoholism in Pennsylvania's labor, business, and industry, and how these three forces are working to establish effective in-house alcoholism recovery programs are explored on "A Drink at Lunch," at 7:30 p.m. **Thursday, Jan. 23** — "Hiss of Burns," director John Ichikawa's 1955 film about the spiritual odyssey of a Japanese soldier sickened by war, is featured on "The Japanese Film," at 9:00 p.m. The film tells of a private soldier who finds himself in the clothes of a Japanese Buddhist monk and in doing so finds his life deeply changed.

EMS faculty aided by new fund

Young faculty in the College of Earth and Mineral Sciences will be aided by the "Gladys Snyder Faculty Enrichment Fund."

The fund, which was recently established through the generosity of Mrs. Snyder, of Canandaigua, N.Y., makes a variety of activities available to younger academic staff members.

Consideration for awards will be given to young faculty for the following: instructional innovation grants for new and improved courses; travel to professional meetings, special courses and seminars; grants to assist junior faculty members broaden their studies; or awards to faculty.

Folklore study interest grows

Folklore is currently enjoying great popularity among college undergraduates, says Dr. Bruce Rosenberg, professor of English and comparative literature, and the reason may be that it harks back to simpler, more primitive times and has an affinity with student interest in ecology, natural foods and traditional handicrafts.

Dr. Rosenberg, who is director of the new folklore option being introduced at Penn State, says that this country has done very little until recently in the way of folklore research, although European governments have actively supported such research for many years. He has spent several years investigating the universality of the myths surrounding the death of General Custer at the Little Big Horn.

"Folklore is usually defined as culture transmitted orally," Dr. Rosenberg says, so it may include witty verses about "roses

are red" or, in their first five years, have made significant contributions in their research efforts.

Recipients of these awards will be selected by the dean of the College, Dr. Charles L. Hosler, Jr., and a special selection committee.

Mrs. Snyder established a previous award in 1955 in honor of her father, John G. Miller. Named the "John G. Miller Memorial Scholarship," this fund aids students in the College of Earth and Mineral Sciences with priority given to freshmen.

are red" or the riddle "What's black and white and red all over?"

One of the appeals of folklore studies, he notes, is the opportunity it gives the student to get out and do, instead of merely reading about the subject. After students have a basic course in theory and technique, they actually collect materials around the State, preserving a heritage that can be too easily lost.

"Although the Pennsylvania Dutch have probably been overdone," Dr. Rosenberg concludes, "there is a great deal of information yet to be gathered about the many other ethnic groups in the Commonwealth. Thousands of Pennsylvanians have parents or grandparents who were born abroad. The changes that occurred in their folklore after they came to this country ought to be recorded."

VIENNA —

(Continued from page one)

of the negative aspects of togetherness," Gartenberg jokes. "We have three children, and whenever I sat down to practice the piano, they pleaded with me to stop because I was interrupting one of their television programs. I related this to my study to read, and eventually I conceived the idea for my first book."

"Vienna, Its Musical Heritage" traces the history of the city from Roman times to the reopening of the opera on Nov. 5, 1955. Accounts of the lives of the famous musicians who flocked to Vienna — from Mozart, Haydn and Beethoven to Schonberg and Mahler — are interwoven with the panoply of the Hapsburg court. From this overall view, Gartenberg was led to focus on Johann Strauss and the times which formed him. "There's been very little written about Strauss in America, and much of what exists in European sources is wrong," he says. "Along with Schubert, he was the incarnation of Vienna. The Straussian presence and con-

tribution to 19th century Europe are significant because they foreshadow the collision of the old order with the new. Johann Strauss 'fiddled' as the Hapsburg empire sank into a quagmire, mostly of his own making."

His second book took Gartenberg only five years to write, and he is now well along on a third. Research grants from the University have enabled him finally to revisit his beloved Vienna. Next summer, he intends to go back a third time to examine a treasure trove of newly discovered Mahler material. The visit will also give him a chance to exercise his passion for collecting, particularly in the area of old music manuscripts.

"I have always been captivated by the antique," he notes. "Our house no longer has any walls, only pictures."

The Gartenbergs' house in Chambersburg may be a long way from Vienna, but Egon no longer minds. He sums up his feelings for his adopted home in a few words:

"I'm in love with Mont Alto at all times of the year."

University Park Calendar

January 16-26, 1975

Items to be included in this calendar should be sent to the editor, Room 312 Old Main, by Thursday of the week preceding publication.

Special Events

Friday, Jan. 17 — Folk and Square Dance Roundup, 7:30 p.m., White Blgd, South Quad.

Friday, Jan. 17 — Artists Series, Prague Chamber Orchestra, 8:30 p.m., University Auditorium.

Friday, Jan. 17 — Commonsplace Coffee-house, 8 p.m., Room 102 Kern.

Friday, Jan. 17 — Sports: Men's fencing, vs. Notre Dame, 3:30 p.m., Rec Hall.

Friday-Sunday, Jan. 17-19 — University Children's Theatre, "Ofotl," Pavilion Theatre, Friday at 2:30 and 7:30 p.m., Saturday at 10:30 a.m. and 2:30 p.m., Sunday at 2:30 p.m.

Saturday, Jan. 18 — Sports: Women's fencing, vs. Jersey City, University of Pennsylvania, and Randolph-Macon, 9 p.m.; Wrestling, vs. West Chester, 2 p.m., vs. North Carolina, 8 p.m., Rec Hall.

Saturday, Jan. 18 — Women's Conference, feminist speaker Rita Mae Brown, 8 p.m., Schwab.

Saturday-Sunday, Jan. 18-19 — Women's Conference, workshops, Saturday from 11 a.m.-5:30 p.m., Sunday from 10 a.m.-5 p.m.

Sunday, Jan. 19 — Chapel Service, 11 a.m., Eisenhower Chapel. Dr. Russell Lewis, Provost.

Sunday, Jan. 19 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

Monday, Jan. 20 — Student Gallery Talk on "Carlo Maratti and His Contemporaries," Robert and Jean Westin, 11 a.m., Museum of Art.

Monday, Jan. 20 — Karen Cain, soprano recital, 8:30 p.m., Music Bldg. recital hall. Works of Berlioz, Schubert, Vivaldi.

Tuesday, Jan. 21 — Gallery Talk on "Carlo Maratti and His Contemporaries," Robert and Jean Westin, 10:30 a.m., Museum of Art.

Tuesday, Jan. 21 — Artists Series, Bergman film, "Wild Strawberries," 8:30 p.m., University Auditorium.

Tuesday, Jan. 21 — Sports: Women's basketball, vs. William Paterson, 7 p.m.

Wednesday, Jan. 22 — Claremont Woodwind Quintet, 8:30 p.m., Music Bldg. recital hall. Music by Milhaud, Samuel Barber, Francaix and Danzi.

Wednesday, Jan. 22 — Sports: Men's basketball, vs. Muhlenberg, 8 p.m., Rec Hall.

Thursday, Jan. 23 — Sports: Women's bowling, vs. West Chester, 3 p.m.; Women's gymnastics, vs. Clendon and West Chester, 3:30 p.m.

Thursday, Jan. 23 — "Who Killed J. F. K.?" Lecture-demonstration by Bob Katz, newspaper reporter, 8 p.m., Schwab, sponsored by Undergraduate Political Science Association.

Thursday, Jan. 23 — GSA Workshop, 7:30 p.m., Room 102 Kern.

Friday, Jan. 24 — Commonsplace Coffee-house, 8 p.m., Room 102 Kern.

Friday-Saturday, Jan. 24-25 — University Children's Theatre, "Ofotl," Pavilion Theatre, Friday at 2:30 and 7:30 p.m., Saturday at 10:30 a.m. and 2:30 p.m.

Friday, Jan. 24 — Sports: Men's Rifle, vs. Indiana (Pa.), 2 p.m.; Men's basketball, vs. St. Francis (Pa.), 8 p.m., Rec Hall. Wrestling, vs. Maryland, 2 p.m., Rec Hall.

Sunday, Jan. 26 — Artists Series, Negro Ensemble Company Production of "The River Niger," 8:30 p.m., University Auditorium.

Sunday, Jan. 26 — Alpha Chi Omega Greek Lyre Sing, 2:00-4:00 p.m., HUB ballroom. Benefit Cystic Fibrosis Foundation.

Sunday, Jan. 26 — Chapel Service, 11 a.m., Eisenhower Chapel. Rev. Robert A. Heydenreich, pastor, Pine Hall and Gatesburg Lutheran Church, State College.

Sunday, Jan. 26 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

Seminars

Thursday, Jan. 18 — Chemistry, 12:45 p.m., Room 333 Whitmore. Donald Jerina, National Institutes of Health.

Thursday, Jan. 18 — Physics, 3:35 p.m., Room 117 Osmond. H. K. Henrich on "Beginnings of Photography: The Invention of the Photographic Process, Its Reception by the Public and Its Uneasy Relationship with Graphic Arts."

Thursday, Jan. 18 — Biophysics, 4 p.m., Room 617 Life Science I. Dr. William Caternall, National Heart and Lung Institute, Laboratory of Biochemical Genetics, NIH, on "Activation of the Action Potential Sodium Ionophore by Neurotoxic Agents."

Thursday, Jan. 16 — Meteorology, 3:55 p.m., Room 26 Mineral Sciences. Dr. John J. Cahill on "AFOS."

Thursday, Jan. 16 — Statistics, 4 p.m., Room 69 Willard. Professor K. Ruben Gabriel, Hebrew University, Jerusalem, on "The Biplot — a Graphical Aid to the Interpretation of Multivariate Data."

Thursday, Jan. 16 — Agronomy, 3:45 p.m., Room 301 A. Administration. Wesley Masche on "Agricultural Research in Canada," part I; Don Bashore on "Environmental Science Education for Youth," part II.

Thursday, Jan. 16 — Philosophy, 4 p.m., Room 167 Willard. Aaron Druckman on "The Sabbath: a Philosophical Approach."

Thursday, Jan. 16 — Plant Pathology, 8 p.m., Room 213 Buckhout. Dr. Lowry T. Denker, Geneva Experiment Station, Geneva, N.Y., on "Studies on the Overwintering and Primary (Ascospore) Production of Venturia inaequalis (Cke.) Wint."

Friday, Jan. 17 — Ceramic Science, 11 a.m., Room 301 Mineral Industries. V. S. Ban, RCA, Princeton, on "Mass Spectrometric Probing of CVD Gases."

Monday, Jan. 20 — Remote Sensing, 4 p.m., Room 401 Electrical Engineering West. M. Dennis Krohn, on "Relation of Lineaments to Geochemical Anomalies and Lead-Zinc Occurrences Along Bald Eagle Mountain."

Monday, Jan. 20 — Genetics, 3:55 p.m., Room III Life Science. Mike Capage on "Plant Protoplasts: Their Isolation, Cultivation, and Applications in Biological Research."

Tuesday, Jan. 21 — Analytical Chemistry, 1:00 p.m., Room 333 Whitmore. John A. Lynch on "Thermometric Titrations of an IgM Immunoglobulin."

Tuesday, Jan. 21 — Chemical Engineering, 3:40 p.m., Room 140 Fenske. Jennings H. Jones on "Why Combine Oxygen and Hydrocarbons?"

Tuesday, Jan. 21 — Plant Pathology, 9:45 a.m., Room 213 Buckhout. Dr. Milton Zaitlin on "Replication of Tobacco Mosaic Virus."

Wednesday, Jan. 22 — Ceramic Science, 11 a.m., Room 301 Mineral Industries. T. D. Denker, IBM, Yorktown Heights, on "Raman Spectroscopic Probing of CVD Gases."

Wednesday, Jan. 22 — Fuel Science, 4 p.m., Room 301 Mineral Industries. Dr. R. K. Jordan, private consultant, Pittsburgh, on "Industrial CO Chemistry."

Wednesday, Jan. 22 — Ecology, 3:55 p.m., Room 111 Life Sciences. Dr. Robert Shipman, Forestry, on "Ten Year Successional Changes Following Clearcutting in Pennsylvania Mixed-Oak Forests."

Thursday, Jan. 23 — Agronomy, 3:45 p.m., Room 111 Tyson. George May on "Land Use Mapping Using Multispectral Scanner Data."

Thursday, Jan. 23 — Meteorology, 3:55 p.m., Room 26 Mineral Sciences. Kenneth Mitchell, on "Investigation of Thunderstorm Gust Fronts Using a Non-Hydrostatic Numerical Model."

Thursday, Jan. 23 — Chemistry, 12:45 p.m., Room 333 Whitmore. Mark S. Wrighton, M.I.T., on "The Role of Primary Photoprocesses in Transition Metal Photoanalysis."

Thursday, Jan. 23 — Physics, 3:35 p.m., Room 117 Osmond. Fereza Ursay, Yale University, on "Relativistic Position Operators and Patron Operators."

Thursday, Jan. 23 — Biophysics, 4 p.m., Room 617 Life Science I. Dr. Daniel Goodenough, anatomy, Harvard Medical School, on "Biochemical and X-ray Diffraction Studies of Hepatocyte Gap Junctions."

Thursday, Jan. 23 — Statistics, 4 p.m., Room 69 Willard. Dr. Eugene Kilian, mathematical sciences, State University of New York, Binghamton, on "Optimal Search Strategies for Wiener Processes."

Friday, Jan. 24 — Forest Resources, 4 p.m., Room 310A Agricultural Administration. Dr. Richard Lee, West Virginia University, on "Biophysical Evaluation of Rest Site Potential."

Exhibits

Museum of Art — Paintings, Drawings and Prints by Bruce Shobaken, Gallery A, through Mar. 16. Carlo Maratti and His Contemporaries. Drawings from the Italian Baroque, Gallery C, opening Jan. 19 through Mar. 16. Selections from the Permanent Collection, Gallery B.

Chambers Gallery — Kitsch, all media.

Kern Gallery — Ann Vandervelde Bergemann oil and watercolors, through Jan. 23. Laurel Buskirk Wiegand, photographs, through Jan. 23. Grace Pilato, ceramics.

Zoller Gallery — Works by new art faculty members Sue Hellman-Sperger and Christine Manchester (prints); Robert Dercks, David Rubello, Lynn Schmidt, and Walter Hamilton (paintings); Rob Koppel (photos); Anessa Strong and

Andrew Vargo (graphic design); Steve Porter, Jeff Spaulding, Ronald Gallas and Rob Fisher (sculpture); until Jan. 18. Drawings by Harold Altman, opening Jan. 20.

Playhouse Gallery — "Scenic Design Relections," Robert Burroughs and Dennis Sporre, through Jan. 31.

Hammond Gallery — Through Jan. 29, 96 photo panels and three models of works of Donato Bramante, architect.

Films

Monday-Tuesday, Jan. 20-21 — Simmons lounge film series, "Blockheads," 7:30 and 9:30 p.m., Simmons Lounge.

Wednesday, Jan. 22 — Commonsplace Theatre, "Film Flam Man," 7 and 9 p.m., Room 112 Kern.

Friday-Sunday, Jan. 24-26 — Centre Cinema, "Bambi," 7:30 and 9:30 p.m., Room 111 Forum.

Meetings

Monday, Jan. 20 — Penn State Sigma Xi special meeting to vote on proposed changes in By-Laws, 4 p.m., Room 101 Kern.

Monday, Jan. 20 — USG Senate, 7:30 p.m., HUB assembly room.

Monday, Jan. 20 — OTIS, 6:30 p.m., Room 203 HUB.

Monday, Jan. 20 — Education Student Council, 7 p.m., Room 123 Chambers.

Tuesday, Jan. 21 — ARHS, 7:30 p.m., Room 203 HUB.

Tuesday, Jan. 21 — College of Agriculture faculty, 4 p.m., Room 301 Ag. Administration.

Tuesday, Jan. 21 — Senate Council, 2:10 p.m., Room 101 Kern.

Tuesday, Jan. 21 — Engineering Undergraduate Council, 7:30 p.m., Room 207 Sackett.

Wednesday, Jan. 22 — Mining Society, 7:30 p.m., Room 121 Mineral Industries. W. B. Williams, N. American Zinc Co. Sterling Plant, on "A Modern Underground Metal Mine Cut-and-Fill Operation."

Wednesday, Jan. 22 — Pre-Vet-Club, 8 p.m., HUB assembly room. Dr. Joseph Skelly, associate dean of admissions and continuing education, University of Pennsylvania School of Veterinary Medicine, on "Admissions Policies."

NEWS

(Continued from page one)

ing one building which was designed to accommodate 750 students.

The governor also approved allocations for movable equipment for eight General State Authority projects, as follows: Worthington Scranton Campus, student study-learning center, \$120,714; McKeesport Campus, utilities, \$42,000; Alleghenon Campus, academic building, \$147,118; Mont Alto Campus, science building, \$208,340; and University Park Campus, student recreation building, \$393,282; Environmental Sciences Bldg., \$576,425; conversion of Diamond Laboratory, \$31,792; and utilities, \$17,000.

TO STRASBURG

Victoria Spendel, graduate student in chemistry at the University departed for France Jan. 12 as part of a cooperative research effort between Penn State and the University of Strasburg. Research teams at the two universities are engaged in a bioelectrochemical modeling project

in which they are seeking to chemically mimic important life processes. Dr. Joseph Jordan, professor of chemistry, heads the Penn State program. During the two weeks she will spend at the University of Strasburg, Mrs. Spendel will coordinate the efforts of the two research teams. The research exchange program is supported by a grant from the North Atlantic Treaty Organization.

PLANTS GIVEN

The University has received a gift of ten American holly bushes and ten hybrid rhododendron plants from an alumnus, Orlando S. Pride, of Butler. The materials are intended for planting on the University Park Campus. Mr. Pride, who received his degree in "Bambi" from the University of Strasburg in 1928, operates a nursery in Butler, specializing in hollies, azaleas, and rhododendrons. He presented plant materials valued at \$1,400 to the University in 1969 and adds more plants to his initial gift each year. Plants have been placed at the Herman B. Fisher Plaza, near the Lion Shrine and the Nittany Lion Inn,

and at various other locations on the campus.

KENNEDY PLOT

The Undergraduate Political Science Association will sponsor a multi-media presentation on "Who Killed J.F.K.?" Thursday, Jan. 23, at 8 p.m. in Schwab Auditorium. The lecture is free.

Bob Katz, a newspaper reporter, who has been lecturing on the subject of President Kennedy's assassination since 1972, will show slides and film clips, including the Zapruder film, in attempting to demonstrate that a conspiracy existed to kill the president in Dallas in 1963 and that Oswald was not alone in the assassination. Katz will present evidence that, it is said, was not used by the Warren Commission in its determinations as well as other evidence developed since that time.

ARTISTS SERIES

Tickets are still available for the Artists Series program to be given Friday, Jan. 17, by the Prague Chamber Orchestra. The program, to be played in University Auditorium, beginning at 8:30 p.m., will include

a Haydn symphony, a Janacek suite for strings, and a Mozart symphony.

The next program on the Artists Series will be on Sunday, Jan. 26, when the Negro Ensemble Company will perform "The River Niger," in University Auditorium at 8:30 p.m.

PRESS BOOK

"The Poetry of Richard Aldington: A Critical Evaluation and an Anthology of Uncollected Poems" is the most recent publication of the Pennsylvania State University Press. The book was prepared by Norman T. Gates, of Rider College, and it offers a critical discussion of Aldington's contribution to modern poetry as a central figure in Imagism. It also provides bibliographic details for all of the poet's first editions, texts of 117 uncollected poems and 87 early poems omitted from Aldington's "Complete Poems." The first full-length study of Aldington's poetry since his death in 1962, the book is also a source of information on many of his contemporaries in English literary life, including Yeats, Eliot, both Lawrences, Joyce and others.

Office of the President

January 3, 1975

TO: The Pennsylvania State University Community

I am releasing today the University's Interim Policy on Confidentiality of Student Records to be effective immediately. This interim policy was developed in response to the Family Educational Rights and Privacy Act of 1974 ("The Buckley Amendment") which became law on November 19, 1974. In addition, it reflects changes resulting from amendments to that law signed by President Ford on December 31, 1974.

This interim policy also reflects the results of consideration by the following University groups: The University Faculty Senate; Council, the University Council; the University Student Advisory Board; the Council of Academic Deans; the Council of Commonwealth Campus Directors; the Council of Commonwealth Deans of Students; and the Student Affairs Committee of the University Faculty Senate. In addition, numerous individuals forwarded their comments on the matter.

When guidelines are completed by the Department of Health, Education and Welfare (presumably by April, 1975) changes to the policy will be revised again in light of those guidelines and final policy will be established for the University.

A broad informational program will be developed immediately so as to inform fully the entire University Community of the rights afforded students by this revised interim policy statement.

I ask that each individual in the University involved in the implementation of this policy do so in the spirit of protecting the privacy of records of individual students while at the same time maintaining and utilizing those records and information as required.


John W. Gonalad
President

I. Preamble

The Pennsylvania State University collects and maintains data and information about students for designated periods of time for the expressed purpose of facilitating the student's educational development. The University recognizes the privacy rights of individuals in exerting control over what information about themselves may be disclosed and, at the same time, attempts to balance that right with the institution's need for information relevant to the fulfillment of its educational missions. The University further recognizes the need to clearly inform the student of the existence and location of records as well as to define the purposes for which such information is obtained; to provide security for such material; to permit student access to, disclosure of, and challenge to this information as herein described; and to discontinue such information when compelling reasons for its retention no longer exist.

The Family Educational Rights and Privacy Act of 1974, a part of the Education Amendments of 1974, became law on November 19, 1974. This law has caused the University to modify somewhat its previous policies on the confidentiality of student records. Since federal guidelines have yet to be issued relative to this law, the following policy statement is to be regarded as interim.

During the intervening months before a final policy statement is issued, comments and suggestions will be welcomed. All such communications should be addressed to Dr. Robert Smith, Assistant Provost, 205 Old Main.

II. Interim Student Record Policy

No information from records, files, and data directly related to a student shall be disclosed to individuals or agencies outside the University without the consent of the student in writing, except pursuant to lawful subpoena or court order, or except in the case of specifically designated educational and governmental officials as required by Public Law 93-380 ("Education Amendments of 1974"). Information contained in such records may be shared within the University. Records originating at another institution will be subject to these policies.

III. Student Educational Records

Student educational records are defined as those records, files, documents, and other materials which contain information directly related to a student and are maintained by The Pennsylvania State University or by a person acting for the University pursuant to University, college, campus, or departmental policy.

Student educational records do not include records of instructional, supervisory, and administrative personnel and ancillary educational personnel which are in the sole possession of the maker and which are not accessible or revealed to any other person except a substitute. Notes of a professor/staff member concerning a student and intended for the professor/staff member's own use are not subject to inspection, disclosure and challenge. Other exclusions include:

1. Records of the Security Division, ex-

cept in those instances where they are transmitted within the University for administrative purposes.

2. Student employment records.
3. Records on students which are made or maintained by a physician, psychiatrist, psychologist, or other recognized professional or paraprofessional acting or assisting in that capacity are not subject to the provisions of access, disclosure, and challenge. Such records, however, must be made, maintained, or used only in connection with the diagnosis or treatment of the student and are not available to anyone other than the persons providing such treatment or a substitute. Such records may be personally reviewed by a physician or other appropriate professional of the student's choice.

IV. Definition of Student

For the purpose of this policy a student is defined as an individual currently or previously enrolled in any academic offering of the University.

It does not include prospective students (applicants to any academic program of the University).

V. Public Information

Regarding Students

The following is a list of public information which may be made available regarding students of the University without their prior consent and is considered part of the public record of their attendance:

1. Name
2. Address (Local and Home Permanent)
3. Telephone Number
4. Date and Place of Birth
5. Major
6. Student Activities Including Athletics
7. Weight/Height (Athletic Teams)
8. Dates of Attendance
9. Date of Graduation
10. Degrees and Awards Received
11. Most Recent Educational Institution Attended

The student is entitled to request that any or all of this information not be made publicly available to organizations. The Records Office prior to the end of the registration period for any given term.

VI. University Officers Responsible for Student Records

The following University officers are designated as responsible for student records within their respective areas: the Vice President for Undergraduate Studies; the Vice President for Student Affairs; the Vice President for Continuing Education; the Vice President for Research and Graduate Studies; the University Budget and Planning Officer; the Vice President for Business; the Deans of the Colleges; the Dean of the Graduate School; the Directors of the Commonwealth Campuses; and the Provosts of the Capitol Campus and the Milton S. Eisenhower Medical Center. Each of these officers is responsible to make available a listing of student records within his area of responsibility indicating the purpose, storage, security, and disposition of each student record. The Vice President for Student Affairs will be responsible for maintaining a University-wide listing of the records, files, and data collected on individual students.

Interim University policy on Confidentiality of student records

The Pennsylvania State University, January 3, 1975

VII. Policies in Disclosure of Student Records

The following guidelines will be utilized with respect to the disclosure of student records:

NOTE: IN NO CASE WILL LETTERS OF RECOMMENDATION AND OTHER INFORMATION OBTAINED OR PREPARED BEFORE JANUARY 1, 1975, WHICH WERE WRITTEN ON THE ASSUMPTION OF EXPRESSED PROMISE OF CONFIDENTIALITY TO THE AUTHORS BE AVAILABLE FOR INSPECTION, DISCLOSURE, OR CHALLENGE. LETTERS OF RECOMMENDATION AND OTHER INFORMATION WRITTEN AN/O OR COMPLETED AFTER JANUARY 1, 1975, ARE AVAILABLE TO STUDENTS IN ACCORDANCE WITH GUIDELINES WHICH FOLLOW.

A. Disclosure to the Student:

The student is accorded the right to inspect, in the presence of a staff member, official University records, files, and data primarily and directly related to himself/herself. This right includes an explanation of any information contained in these sources. The student is entitled to such rights within 45 days of the time that he/she personally appears in the appropriate University office to initiate such a request in writing. If the student cannot personally appear, he/she must submit a notarized request to the appropriate office.

Additionally, a student is entitled to inspect all instructional material, teaching materials, films, tapes, and other supplementary instructional material used in connection with any research or experimentation program of which he/she is a part and which is designed to explore or develop new or unproved teaching methods.

A student may waive his/her right to access to confidential letters of recommendation which he/she seeks for admission to any educational agency or institution; for employment; or for application for an honor or other recognition. The student must be notified on request of all such individuals furnishing recommendations and the letters must be solely for the stated purpose of which the student was notified and for which he waived his right of access. Such waivers may not be required as a condition for admission to, receipt of financial aid from, or receipt of any other services or benefits from such agency or institution.

Where any such records, files, or data contained information relative to a third person the student is entitled to be informed of only so much of that record as pertains to himself/herself. Each record-keeping unit of the University will establish procedures for accommodating requests for access to student records. An administrative charge not exceeding the actual cost to the University of providing access may be initiated in certain areas for access to record information.

While public law does not require copy privilege this may be done at the discretion of the responsible administrative officer and at a cost to the student.

B. Disclosure of Information to Third Parties:

Disclosure of information contained in student records, files, and data is normally controlled by the student. Such disclosures will be made to a third party only on the condition that written consent of the student is obtained. The student and only on the condition that the third party will not permit additional access to the information by an additional person without further written consent of the student prior to such additional transfer of information.

When information on a student must be shared outside the University all persons, agencies, or organizations desiring access to the records of a student shall be required to sign a written form to be kept permanently with the file of the student indicating specifically the legitimate educational or other interest in seeking this information. This form will be available solely to the student and to the University officer responsible for the record as a means of auditing the operation of the record system. Exceptions to this are (C) through (I).

C. Disclosure to Other Educational Institutions:

Disclosure of appropriate academic records may be made to officials of other educational institutions to which the student has applied and where he/she has been enrolled. Files and data collected on the student shall be entitled to notification

of such transfer and a copy of such record.

D. Disclosure Pursuant to Judicial Order:

Information concerning a student shall be released if properly subpoenaed pursuant to a judicial, legislative, or administrative proceeding. Effort will be made to give advance notice to the student of such an order before compliance by the University.

E. Disclosure Pursuant to Request for Financial Aid:

Necessary academic and/or financial student records may be disclosed without the student's prior consent in connection with the student's application for, or receipt of, financial aid.

F. Disclosure to Federal and State Authorities:

This policy shall not preclude access to student records by authorized federal and state officials in connection with the audit and evaluation of federally supported education programs or in connection with the enforcement of federal and state legal requirements which relate to such programs. Exact method of collection of personally identifiable data is specifically authorized by federal and state law, any data collected and reported with respect to an individual student shall not be used for purposes (including Social Security number) which would permit the personal identification of such student.

G. Disclosure Under Emergency Conditions:

In an emergency basis information about a student may be released by a designated officer of the University when that information is necessary to protect the health or safety of a student.

H. Disclosure to Educational Agencies or Institutions:

Information which will not permit the individual identification of students may be released to organizations of educational agencies or institutions for the purpose of developing, validating, and administering predictive tests and measurements. Similarly, information may be released to accrediting organizations in order to carry out their accrediting functions.

I. Disclosure to Parents of Dependent Students:

Information concerning a student who is dependent (as defined in the Internal Revenue Code of 1954) may be released to that student's parents. The Internal Revenue Service defines a dependent student as one who attended an educational institution full-time for any five (5) calendar months of a tax year and who was provided more than one-half of his/her support as claimed by the parents. Therefore, if such a student, for purposes of this policy the assumption, unless individually certified to the contrary under the criteria above, will be that undergraduate students of the University are dependent students.

VIII. Challenge of Record Entry

The student is entitled to challenge entry or add to the factual basis of any record entry contained in records, files, and data. The purpose of this challenge is to insure that such entries are not inaccurate or misleading, or in violation of his/her privacy or other rights as a student, and to provide an opportunity for the correction or deletion of such inaccurate, misleading, or otherwise inappropriate data contained therein. The substantiated judgment of a faculty member about a student's work, expressed in grades and evaluations is not within the purview of this right to challenge. The challenge should be submitted to the appropriate University officer (see VI) in whose area of responsibility the questioned entry is located. The University officer is authorized to rectify the entry and so notify the student without a hearing if such a course of action is warranted. The designated officer will provide the student with an opportunity for both a written and personal challenge to the questioned entry and will determine whether or not the material is defective in a manner justifying its correction or removal from the records. The student's written statement of challenge regarding the content of the record will remain a part of that record regardless of the outcome of the challenge.

An adverse decision may be appealed in writing by the student to the University officer, finally, to the President of the University.

PENN STATE intercom

Volume 4, Number 19

January 23, 1975

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

News in brief

MACEDONIAN CITY TALK

"Sobi, a City in Ancient Macedonia," will be the subject of a talk by Dr. James R. Wiseman, Boston University professor of archaeology and classics Monday, Feb. 3, at 8 p.m. in Room 112 Kern. Sobi was a Roman town in ancient Macedonia becoming a provincial capital in the last centuries of the Roman Empire. Most of the material in the lecture will come from the excavations of Sobi conducted since 1970. The lecture is sponsored by the Central Pennsylvania Chapter of the Archaeological Institute of America.

COUNCIL CHAIRMAN

Dr. Herbert G. McGibbeny, director of the McKeesport Campus, has been elected chairman of the Council of Commonwealth Directors, which includes the University provost and dean of instruction for Commonwealth Campuses as ex officio members.

Edward M. Elias, York Campus, has been named vice chairman.

The Council serves as a communication channel on matters pertaining to the operation of the University and as a forum for discussion of issues important to the operation of the Commonwealth Campus system.

After 30 years in public relations field

Delaware's Newman combines theory and career experience

You might say that Gamma M. Newman is "a woman with a past."

After all, during some 30 years in public relations, she managed such feats as wangling an interview with Ernest Hemingway, writing a Boy Scout comic strip and ghostwriting a nationally syndicated column on ventriloquism for Edgar Bergen.

Still, this associate professor of speech communication at Penn State's Delaware County Campus has found she prefers the academic life.

"Public relations is more lucrative," she says, "but one day you wake up and ask yourself, 'Where am I going?' A good public relations person usually remains unknown because most people don't want their image bled into the press. Maybe it was the ham in me, but I decided I'd like to try a different field."

Accordingly, she returned to her alma mater, the University of Pennsylvania, and enrolled in a masters' degree program at the Annenberg School of Communications.

"I had some money saved, and they awarded me a fellowship," she continues, "but things were pretty tight. Then, when I'd been there just three weeks, a professor who was handling the public relations course left, and I was invited to take over. By the time I'd earned my degree, I was teaching three courses."

"It was apparent, however, that I wouldn't go any further at Penn without a Ph.D., so I asked their placement service to help me find another job. They suggested that my background qualified me to teach speech. I started out at Rutgers as coadjutant instructor and then was hired by Trenton State College in 1966 as an assistant professor of speech. Even though they granted me tenure, I still felt I needed a doctorate, so I finally took the plunge and enrolled at Temple where my Ph.D. was conferred in 1973. The job at Delaware opened up in 1969, and I left Trenton because I wanted to be affiliated with

DUBOIS EXHIBIT

Richard J. Marinice, instructor in English at the DuBois Campus, who although a painter by hobby has sold a number of his reversed glass paintings, is currently exhibiting his work at the DuBois Campus. In a series of seven one-man shows, he will display paintings of antique automobiles, New England seascapes, wild life birds, nostalgic scenes and wooded interiors, and Art Nouveau, the late 19th-century art style. Reversed glass painting (this is done in acrylic) was an art form used widely by the Pennsylvania Dutch but it had its beginnings in the 4th century, B.C., in the Hellenic Period, used then primarily for portraits. The series of exhibits runs through May and may be seen daily except Sunday.

ENGLISH HOUSE EXCHANGE

A visiting professor who will be at University Park from April 1 to July 31 would like to exchange homes with a faculty member who will be spending the same period in London, England. Available for exchange is an accommodation in Wimbledon, containing a lounge, kitchen/dining room, study and three bedrooms. Further information may be obtained from Dr. F. W. Schmidt, at 865-2072 or 865-2519.

BONDS FOR SALE

Materials in printed form explaining how University staff members may buy U.S.

Savings Bonds through payroll deductions are being distributed (or will be in the next few days). The distribution of this information, which includes an explanation of the types of bonds and their value as an investment, is being made by the University in cooperation with the U.S. Treasury Dept. The materials are self-explanatory, and they include a letter from President Oswald commending the purchase of bonds to the consideration of University employees.

ENROLLMENT

Of Penn State's 56,926 students, 93.3 per cent are from Pennsylvania, 5.1 per cent from other states, and 1.6 per cent from other countries. Most of these from abroad are graduate students. New York, New Jersey, and Maryland lead the out-of-state category. Allegheny, Centre, and Philadelphia counties together provide 13,229 of the in-state enrollees.

CARNATION DAY

Orders will be taken next week (Jan. 29-31) by the Special Events Committee of the Hetzel Union Board for carnations which will be delivered or distributed in the HUB on Valentine's Day, Feb. 14. The orders will be taken on the ground floor of the HUB next week from 10:30 a.m. to 3:30 p.m. Each flower costs 50 cents, and the money will be used by the Hetzel Union Board for projects it sponsors for students and non-students. The distribution of the

(Continued on page four)

Trustees approves Faculty Club plans

Final plans for the Faculty Club to be built north of the Nittany Lion Inn were approved by the Board of Trustees, who authorized officers of the University to proceed with construction at a total cost not to exceed \$1,960,000.

The Board earlier had reviewed sketch plans and preliminary plans and in the final plans approved a revision that adds four feet to the length of the building, making it possible to move a cloak room from the basement level to the first floor level, adjoining the foyer.

The University will construct the facility and lease it to the Faculty Club.

Dr. Chen-Chi Chang, professor of religious studies, has been appointed to the C. T. Shen Professorship in World Religions.

The Professorship, established at the Jan. 19 meeting of the Board of Trustees, has been made possible by Mr. Shen and the Institute for the Advanced Study of World Religions. Mr. Shen, who was born in Chekiang, China, is vice-chancellor of the China Institute in America, Inc., and of the Buddhist Association of the United States.

The Institute for the Advanced Study of World Religions has supported scholarly research at several institutions, including the State University of New York at Stony Brook, St. John's University, Columbia University, and, since 1971, at Penn State.

A member of Penn State's faculty since 1966, Dr. Chang is a specialist in Tibetan Buddhism and Eastern religious studies. Born in Canton, China, he studied at a monastery in Tibet. Before coming to Penn State, he was an assistant professor at the University of Nebraska and served as a research fellow at Tagore University in India and at the University of Wisconsin. He was also a visiting professor of Buddhism at the College of Chinese Culture in Taipei, Taiwan.

Recommendations made by the Proposal Evaluation Committee for the allocation of undesignated funds amounting to \$47,500 in the Office of Gifts and Endowments have been approved by the Board.

For educational programs, the sum of \$6,500 has been allocated for a two-day extension of residency of the Pittsburgh Symphony Orchestra for teaching and coaching. The symphony will be on the campus in February for two performances as part of the Artists Series, and the two-day residency will provide an opportunity for faculty and students of the Department of Music to have direct involvement in various activities with the orchestra.

A student aid fund of \$17,500 has been designated for a special scholarship recognition program, subject to implementation of the program.

Two cultural programs will receive support from the funds. The second Nittany Mountain Summer will receive \$20,000 in support of its programs, including residencies of the Pennsylvania Ballet and Pennsylvania Orchestra, special exhibits in Museum of Art, and the Pennsylvania Festival Theatre.

The sum of \$3,500 has been allocated to support the making of a movie of the Timberlane Sculpture Garden near Pikesville.

(Continued on page two)



Dr. Gamma M. Newman, Delaware County Campus, stresses real situations in speech communication classes.

"Ecology and Change — Rural Modernization in an African Community," a book by **Dr. C. Gregory Knight**, associate professor of geography, has been published by Academic Press. The 300-page volume is a geographical study of agricultural practices and agricultural change focused on one society of East Africa, the Nyiha people of the Mbozi Area in southwestern Tanzania.

In conducting many interviews with the Nylha people, the major ethnic group in Mbozi, Dr. Knight needed two languages — Swahili, which he speaks, and Shinyiha, the local Bantu language spoken by the Nylha, for which he used a native interpreter.

Dr. Don Hellriegel, associate professor and **Dr. John W. Slocum, Jr.**, professor, of organizational behavior, have compiled and edited a book of readings titled "Management in the World Today," which has been published by Addison-Wesley Publishing Co. An article by Dr. Slocum and Ken Brown, former graduate student, is one of those included.

Dr. B. Lakshminarayana, professor of aerospace engineering, is senior editor, and **Walter S. Gearhart**, assistant professor of engineering research at ARL, is one of two junior editors of "Fluid Mechanics, Acoustics and Design of Turbomachinery," a two-volume work published by the National Aeronautic and Space Administration. The other editor is W. R. Britsch, of NASA's Lewis Research Center. The book covers papers and discussions of a symposium held at Penn State in 1970. A number of papers were authored by present and former faculty members.

Dr. Budugur Lakshminarayna, professor of aerospace engineering, gave a lecture on "Compressor End Wall Flows," at the National Aeronautical Laboratory in Bangalore, India, recently.

Dr. Geoffrey C. Godbey, associate professor of recreation and parks, presented a paper on "Anti-Leisure and Public Recreation Policy" at a symposium in London, England, Jan. 11, on Sport and Leisure in Contemporary Society.

(Continued from page one)

ville, Md. Penn State has had a close relationship with this unusual collection, which is soon to be removed from its setting to become the property of the Baltimore Museum of Art. The Departments of Art, Theatre and Film, and Landscape Architecture will collaborate on the project.

Faced with another increase in the employer's contribution to the State Employee's Retirement System, the University has submitted a revised general funds budget plan to the Legislature and to the appropriate departments and officers of the Commonwealth.

The revised plan, reflecting an anticipated increase of \$2,900,000 in retirement costs for the University, calls for an appropriation of \$114,500,000 while the initial request was for \$111,648,000.

Trustees at their meeting Saturday ratified the revised request, which had been forwarded to State agencies on Jan. 3, and

For procedural and funding source information, call 865-1372.

January 23, 1975
(162-1) The Office of Education (OE) announces a March 21, 1975 deadline date for training and development of curriculum materials under its **Ethnic Heritage Studies Program**. Cooperation between grantees and persons and organizations interested in ethnic groups is required in order that students be given opportunities to study their cultural heritage and contributions of other ethnic groups. Ref. 39FR45297-99 and 45306, 12/31/74 (CFPA 13.549)

(162-2) To share personnel resources among the National Science Foundation (NSF), government agencies and institutions of higher education, NSF will receive proposals for assignments of personnel to NSF or assignments of NSF personnel to other agencies or institutions. Temporary assignments contribute to mutual benefit. An assignment may be made to solve a specific problem, to strengthen an on-going program, or to provide an employee with direct experience where there is value to the cooperating organization in providing such experience. A proposed duration of days and time period is required. Projects of short duration and time periods are especially useful in research, research applications, science education, national and international programs, experimental RAC incentives, science and technology policy, government and public programs and administration. (Ref. NSF Important Notice No. 55 plus additional information) (Title IV, Intergovernmental Personnel Act)

(162-3) The Social and Rehabilitation Service (SRS) of OHEW, supports vocational rehabilitation programs including grants for innovation and expansion of vocational rehabilitation services, research and demonstration, and rehabilitation training. Rules and regulations providing implementation provisions have been recently issued and have been distributed. (R 300912469-10507 1216174)

COM #160-1) has issued guidelines for proposal submission. The deadline is Feb. 17, 1975. The project areas make up the new program: National Project I — **Better for Student Choice**; National Project II — **Alternatives to the Revolving Door**; **Effective Learning for Low-Achieving Students**; and National Project III — **Elevating the Importance of Teaching**. (See: FIPE Program Information and Application, COM #160-1.)

(162-5) A supplementary solicitation to **University Research for Solution of Transportation Problems** has been issued by the U.S. Department of Transportation. Funded under the OOT Program of University Research, the primary program objective is to focus higher education resources on national, state, and local transportation problems. The research should be interdisciplinary and multimodal or intermodal and should span several fields of transportation. Student participation in the research is encouraged. For additional information, contact Dr. T. O. Larson, Pa. Transportation Institute, Res. Bldg. 9 (865-1891). The closing date for proposals is April 1, 1975. This solicitation has been distributed. (Ref. CE9, 1/3/75, p. 2)

(162-6) Research fellowships and "studentships" are offered by **Peterhouse College**, Cambridge, England. Men under 30 may apply for three-year fellowships; men under 25 who have completed three years of college are eligible for studentships of 900 pounds/year. Fellows are paid 1250 pounds/year, plus a dependent allowance and free room and board.

(101) National and local manpower research and operating capabilities are to be strengthened by small grant projects supported by the U.S. Department of Labor. Innovative or exploratory research projects or research related activities are desired. Maximum grant support is \$15,000 per year; grants are renewable for one year. (Ref. OPAW 17.221). **Manpower research doctoral dissertation grants** are available for students who have completed all doctorate requirements except the dissertation. (Ref. OPAW 17.218) For both programs there are four deadline dates per year — March 1, June 1, Sept. 1 and Dec. 1. Program contact is: Mr. Robert Manifold, Office of Research Grants, Manpower Administration, U.S. Department of Labor, 200 Constitution Ave., Room 410, Washington, D.C. 20037. Tel. 302-373-3373. (Ref. OPAW 17.221)

(163-2) HUD doctoral dissertation grants

March 31, 1975, is the last date on which the Employee Benefits Division will accept charges for a 1974 major medical claim from University employees or their dependents.

A major medical claim is established once an employee reports \$100 of eligible, out-of-pocket medical expenses during the claim year period of January through December. If a major medical claim was not established in 1973, but charges were incurred in October, November, or December of that year, these charges may also be included in the reporting of expenses for a 1974 claim.

Some of the charges that are acceptable for a claim are doctors' office calls and other doctor charges not reimbursed by UNICARE, prescribed drugs, insulin, physiotherapy, and special equipment and appliances. Itemized receipts should be obtained for these charges; cancelled checks and cash register receipts are not acceptable. Among charges not covered are general physical exams, routine dental work, eye exams and lenses.

Claim forms and other information on how to report major medical expenses are available at the Employee Benefits Division, 133 Willard Bldg.

The University has instituted a new policy governing control of animals on University property.

The policy, effective immediately, prohibits animals on campus unless on a leash or lead. They may not be tethered to any object not designed for the purpose of securing animals and may not be brought into any University building or on any University public transportation facility.

The regulations do not apply to seeing-eye dogs, to authorized research conducted by a University department, to an animal hospital or to a shelter designed and constructed to house animals.

Ralph E. Zilly, vice president for business, said a person having an animal in a building or on the property in violation of the regulations and who refuses to comply with the regulation is subject to arrest for trespass.

Persons who allow animals to run at large on University property in violation of the Pennsylvania "Dog Law of 1965" will be subject to a citation.

Any animal tethered and unattended in violation of the regulations will be impounded by the Department of Safety and released to a local animal hospital. The owner will be responsible for any costs incurred. If the owner cannot be located within a period of three days, the animal will be turned over to the Society for the Prevention of Cruelty of Animals.

rescinded the initial request which had been approved by the Board last July.

Sketch-preliminary plans for the site development immediately joining the College of Business Bldg. at the University were approved by the Board of Trustees at their Saturday meeting.

The plans, which include development at the Allen Road entrance to the campus as well as the area south and surrounding the building, were designed by the firm, Environmental Planning and Design, planners and landscape architects, of Pittsburgh.

Development of the plans will be made possible largely through a gift from Herman G. Fisher, of East Aurora, N.Y., a graduate of the University and a Distinguished Alumnus for whom the landscaped area east of Kern Graduate Bldg. and south of Chambers Bldg. was named Herman G. Fisher Plaza. Funds for ultimate completion of the plans and their implementation, it is expected, will come from various donors.

The W-2 form which employees will

The W-2 form which employees will receive this month, or have already received, will contain a space (block) labeled "Employer" in the general area of "Retirement Contribution." However, no number will be shown at this time.

The University's Office of the Controller explains that this space was set up originally by the Internal Revenue Service at a time when retirement pension reform was being considered by the Congress. Not being certain that this information would be required by new legislation, and pressed for time to print the forms, the IRS included the box on a provisional basis.

Since then, the IRS has issued instructions that this information will not be required for 1974 returns.

The Office of the Controller has issued this information so that faculty and staff members would not have to inquire about the information or delay filling out their 1974 income tax returns.

20006 (202-637-5000)

(163-6) Applied research on economic, institutional and legal barriers and incentives to commercial production and use of solar and thermal energy is being solicited by the National Science Foundation RANN program. Three search areas are solicited for the \$2 million program. (1) alternative incentives to promote commercial scale use of solar and geothermal energy, (2) industrial organization and regulatory requirements for new energy source exploration, (3) social costs and benefits associated with energy production and use. The proposal deadline is March 13, 1975. This information has been attributed (Ref. NSF 74-47).

(167). A summer faculty research program is being supported by the U.S. Air Force Systems Command (AFSC) and the American Society of Engineering Education (ASEE). Both units intend to enhance research interests and capabilities of engineering educators, further the research activities of AFSC laboratories, stimulate development of AFSC per personnel, and form a continuing AFSC research interest at participating institutions. The program located at several AFSC laboratories has a 10-week duration, from Feb. 15, 1975. The application deadline is Feb. 15, 1975. For application forms and information contact: Fred O'Brien, Jr., Administrator, USAF/AFSC, AFSC, Auburn University, Auburn, Alabama 36849. Extension of deadline is available. Write: AFSC, AFSC (Ref. ASEE only).

REMINER AND DEADLINE DATES

Jan. 31 for NSF/RANN Research on General Science Sharing (Oct. 24 INTERCOM #152-1); Jan. 31 for Metropolitan Life Education Grants; 21 INTERCOM #156-2) Feb. 1 (see p. 10)

Approved research participation applications must be received by June 1, 1978.

For NIH and NIMH Research projects (Dec. 1, TERCOM #160-3; 160-4) Feb. 7 (ext.)

For NSF Faculty Fellowships in Science Nov. 1, 1978 (TERCOM #156-7) Feb. 17 (ext.)

For the Improvement of Postsecondary Education (TERCOM #160-1) Feb. 19 (ext.)

Applied Research on Public Regulation and Economic Productivity (Jan. 9 INTERCOM #151-1) Feb. 20 (ext.)

Feb. (extended) for NSF Senior Foreign & Scholars Program (Nov. 21 INTERCOM #158-1) April 1 (no. 1) for International Grants

April 1 (no. 1) for INTERCOM #161(7).

University Park Calendar

January 23-February 2, 1975

Items to be included in this calendar should be sent to the editor, Room 312 Old Main, by Thursday of the week preceding publication.

Special Events

Thursday, Jan. 23 — FSMA 410 dinner, "A Visit of the Ancient Maya," 5:30 p.m., Maple Room. Reservations required.
Thursday, Jan. 23 — Sports: Women's bowling, vs. West Chester, 3 p.m. Women's gymnastics, vs. Clarion and West Chester, 3:30 p.m.
Thursday, Jan. 23 — "Who Killed J. F. K.?" lecture-demonstration by Bob Katz, newspaper reporter, 8 p.m., Schwab, sponsored by Undergraduate Political Science Association.
Thursday, Jan. 23 — GSA Workshop, 7:30 p.m., Room 102 Kern.
Friday, Jan. 24 — Commonsplace Coffee-house, 8 p.m., Room 102 Kern.
Friday-Saturday, Jan. 24-25 — University Children's Theatre, "Ofot," Pavilion Theatre, Friday at 2:30 and 7:30 p.m., Saturday at 10:30 a.m. and 2:30 p.m.
Friday-Saturday, Jan. 24-25 — Gymnastics competition, West Germany men's and women's teams vs. selected U.S. men and women, 7:30 p.m., Rec Hall.
Saturday, Jan. 25 — Sports: Men's rifle, vs. Indiana (Pa.), 2 p.m. Men's basket-

ball, vs. St. Francis (Pa.), 3:30 p.m., Rec Hall. Wrestling, vs. Maryland, 1 p.m., Rec Hall.
Sunday, Jan. 26 — Artists Series, "The River Niger," 8:30 p.m., University Auditorium.
Sunday, Jan. 26 — Alpha Chi Omega Greek Lyre Sing, 2:00-4:00 p.m., HUB ballroom. Benefit Cystic Fibrosis.
Sunday, Jan. 26 — Chapel Service, 11 a.m., Eisenhower Chapel. Rev. Robert A. Heydenreich, pastor, Pine Hill and Gatesburg Lutheran Church, State College.
Sunday, Jan. 26 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.
Sunday, Jan. 26 — Annual Children's Dance Concert, presented by Orchestra, 1:30 and 3:30 p.m., White Hall Dance Theatre.
Monday, Jan. 27 — June Miller, organ recital, 8:30 p.m., Music Bldg. recital hall.
Monday, Jan. 27 — Coaly Society, speaking contest, 7 p.m., HUB assembly room.
Monday, Jan. 27 — Gamma Phi Epsilon, women's pre-medical society, 8 p.m., McElwain Hall piano lounge. Dr. Eugene

S. Lindstrom, associate dean of the College of Science and professor of bacteriology, on "Medicine and the Pre-medical student."
Tuesday, Jan. 28 — Seminar on the use of psychology reference materials, 7 p.m., Room W-110 Pattee Undergraduate Library.
Wednesday, Jan. 29 — Musica da Camera, 8:30 p.m., Music Bldg. recital hall.
Wednesday, Jan. 29 — Sports: Women's basketball, vs. Bucknell, 7 p.m., Men's basketball, vs. Syracuse, 8 p.m., Rec Hall.
Wednesday, Jan. 29 — Coaly Society speaking contest, 7 p.m., HUB assembly room.
Wednesday-Friday, Jan. 29-31 — Hetzel Union Board takes orders for carnations, 10:30 a.m. to 3:30 p.m., HUB ground floor. Flowers, 50 cents each, will be distributed on Valentine's Day, Feb. 14.
Friday, Jan. 31 — Jammy, with rock group "Life," sponsored by Hetzel Union Board, 9 p.m., HUB ballroom.
Friday, Jan. 31 — Artists Series, Matteo and the Indo-American Dance Company, 8:30 p.m., Schwab.

Friday, Jan. 31 — Sports: Women's basketball, vs. Edinboro, 7 p.m.
Friday, Jan. 31 — Commonsplace Coffee-house, 8 p.m., Room 102 Kern.
Saturday, Feb. 1 — Free U. Jammy, 7:30 p.m., HUB ballroom.
Saturday, Feb. 1 — Sports: Men's and women's gymnastics, vs. Massachusetts, 8 p.m., Rec Hall. Men's basketball, vs. Georgetown, 1 p.m., Rec Hall. Wrestling, vs. Army, 3:30 p.m., Rec Hall. Women's swimming, vs. Bloomsburg, 2 p.m.
Saturday, Feb. 1 — Penn State Symphonic Wind Ensemble, 8:30 p.m., Music Bldg. recital hall.
Sunday, Feb. 2 — PSU Symphony Orchestra Young People's Concert, 3:30 p.m., University Auditorium.
Sunday, Feb. 2 — Chapel Service, 11 a.m., Eisenhower Chapel. Rev. Robert L. Burgie, Lutheran Student Parish.
Sunday, Feb. 2 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.
Sunday, Feb. 2 — Sports: Invitational indoor soccer tournament, round-robin play from 10:30-12:30 p.m., semifinals at 2 p.m., Rec Hall.

Seminars

Thursday, Jan. 23 — Population Issues Research Office, 12 noon (brown bag lunch), Room 244 Deike. Dr. Gordon F. De Jong, on "Residential Preference Patterns and Population Redistribution: Some Data for Pennsylvania."
Thursday, Jan. 23 — Agronomy, 3:45 p.m., Room 111 Tyson. George May on "Land Use Mapping Using Multispectral Scan Data."
Thursday, Jan. 23 — Meteorology, 3:55 p.m., Room 26 Mineral Sciences. Kenneth Mitchell, on "Investigation of Thunderstorm Gust Fronts Using a Non-Hydrostatic Numerical Model."
Thursday, Jan. 23 — Chemistry, 12:45 p.m., Room 333 Whitmore. Mark S. Whiston, M.I.T., on "The Role of Primary Photoprocesses in Transition Metal Photoanalysis."
Thursday, Jan. 23 — Statistics, 4 p.m., Room 69 Willard. Dr. Eugene M. Klimko, mathematical sciences, State University of New York, Binghamton, on "Optimal Search Strategies for Wiener Processes."
Thursday, Jan. 23 — Physics, 3:35 p.m., Room 117 Osmond. Feza Gursay, Yale

University, on "Relativistic Position Operators and Patron Operators."
Thursday, Jan. 23 — Biophysics, 4 p.m., Room 617 Life Science I. Dr. Daniel Goodenough, anatomy, Harvard Medical School, on "Biochemical and X-ray Diffraction Studies of Hepatocyte Gap Junctions."
Thursday, Jan. 23 — Anthropology, 3:30 p.m., Room 107 Social Science Bldg. Dr. Richard S. Spielman, human genetics, University of Pennsylvania School of Medicine, on "Putting the Yanomamo in Their Place."
Friday, Jan. 24 — Forest Resources, 4 p.m., Room 310A Agricultural Administration. Dr. Richard Lee, West Virginia University, on "Biophysical Evaluation of Forest Site Potential."
Monday, Jan. 27 — Genetics, 3:55 p.m., Room 111 Life Science. Charles Boyer on "Mutable Systems in Higher Plants."
Monday, Jan. 27 — Organic Chemistry, 8 p.m., Room 333 Whitmore. Norman C. Deno on "Solubility, Extraction and Distribution Coefficients."
Monday, Jan. 27 — Remote Sensing, 4 p.m., Room 301 EEW. James Anderson,

forest resources, on "Differentiation of Forest Cover Types Using ERTS-1 MSS Data, Orser Programs, and GE Image 100 Techniques."
Tuesday, Jan. 28 — Water Pollution, 2:20 p.m., Room 124 Sackett. Gilbert V. Levin, president, Biospherics, Inc., Rockville, Md., on "The Phosphor Process."
Tuesday, Jan. 28 — Analytical Chemistry, 1 p.m., Room 333 Whitmore. Joseph E. Campana on "Correlation Techniques in Analytical Chemistry."
Tuesday, Jan. 28 — Plant Pathology, 9:45 a.m., Room 213 Buckholz. Clifford Warren on "The Need for Food Additives."
Tuesday, Jan. 28 — Chemical Engineering, 3:40 p.m., Room 140 Fenske. George E. Keller, Union Carbide, on "Separational Process Design."
Wednesday, Jan. 29 — Ecology, 3:55 p.m., Room 111 Life Science. Ralph Markarian, biology, on "Feasibility of an Artificial Stream as a Tool for Ecosystem Analysis."
Wednesday, Jan. 29 — Architecture, 7:30 p.m., Room 124 Sackett. William Sippel, Deeter, Ritchey, and Sippel, Pittsburgh, on "Total Project Control."

Thursday, Jan. 30 — Chemistry, 12:45 p.m., Room 333 Whitmore. Martin Gouterman, University of Washington, on "Taxonomy of Metal Porphyrins."
Thursday, Jan. 30 — Physics, 3:35 p.m., Room 117 Osmond. William F. Brinkman, Bell Telephone Laboratories, Murray Hill, N.J., on "Electron-Hole Droplets in Germanium."
Thursday, Jan. 30 — Agronomy, 3:45 p.m., Room 111 Tyson. Kim Sheffer on "The Effects of Mowing Mechanisms on the Morphology and Physiology of Kentucky Bluegrass."
Thursday, Jan. 30 — Biophysics, 4 p.m., Room 617 Life Science I. Dr. Joel Rosenbaum, biology, Yale University, on "In Vitro Assembly of Microtubules."
Thursday, Jan. 30 — Meteorology, 3:55 p.m., Room 26 Mineral Sciences. Nels Shirer on "Equivalent β -Effects in the Rotating Annulus."
Thursday, Jan. 30 — Statistics, 4 p.m., Room 69 Willard. Dr. David Hoaglin, Harvard University and National Bureau of Economic Research, Cambridge, on "Looking at Lattice Properties of Random-Numbers Generators."

Meetings

Wednesday, Jan. 29 — Central Pennsylvania Section American Chemical Society, 7:30 p.m., Room 101 Allhouse. Graduate student night.
Monday, Jan. 27 — OTIS, 6:30 p.m., Room 203 HUB.
Tuesday, Jan. 28 — ARHS, 7:30 p.m., Room 203 HUB.
Wednesday, Jan. 29 — Association for Women Students, 7 p.m., Room 203 HUB.
Wednesday, Jan. 29 — Penn State Federal Credit Union, 8 p.m., Room 101 Kern. Election of officers; review of 1974.

Exhibits

Museum of Art — Paintings, Drawings, and Prints by Bruce Shobenken, Gallery A. Carlo Maratti and Hieronymus Camporese, Drawings from the Roman Baroque, Gallery C. Selections from the Permanent Collection, Gallery B.
Zoller Gallery — Recent Prints and Drawings by Harold Altman.
Hammond Gallery — Photo panels and three models of works of Donato Bramante, architect.
Playhouse Gallery — "Scenic Design Reflections," Robert Burroughs and Dennis Spore, through Jan. 31.
Chambers Gallery — Kitch, all media, until Jan. 31. Art Education Graduate Exhibition, all media, opening Jan. 31.
HUB Gallery — "Vision of Peace in Painting," 42 children's paintings by Arab and Jewish children. Also, "Cloth and Clay," by Sherrie Lonker, ceramics. Both displays presented by HUB Arts and Crafts Committee.

Kern Gallery — Ceramics by Grace Pilato, through Jan. 31.
Cultural Center, Walnut Bldg. — Works of members of Washington, D.C. Chapter, (National Conference of Artists; many for sale).

Films

Thursday, Jan. 23 — "Super Cops," 7:30 and 10 p.m., Room 108 Forum. North Halls Association of Students.
Friday-Sunday, Jan. 24-26 — Centre Cinema, "Bananas," 7:30 and 9:30 p.m., Room 111 Forum.
Monday-Tuesday, Jan. 27-28 — Simmons lounge film series, "The Mouse That Roared," 7:30 and 9:30 p.m., Simmons lounge.
Wednesday, Jan. 29 — Commonsplace Theatre, "Othello," 7 and 9 p.m., Room 112 Kern.
Friday-Sunday, Jan. 31-Feb. 2 — Centre Cinema, "American Graffiti," 7:00, 9:15, and 11:30 p.m., Room 105 Forum.

Official

Thursday, Jan. 30 — Due date for Spring Term lists in the Undergraduate Library Reserve Book Room, W-110 Pattee.



Members of the Negro Ensemble Co. will perform "The River Niger" at University Auditorium Saturday.

ORCHESTRIS FOR CHILDREN

With artistic direction by Patricia Heigel Tanner, assistant professor of health and physical education, the dance club Orchesis will give two children's concerts Sunday, Jan. 26, in the White Hall Dance Theatre. They will be given at 1:30 and 3:30 p.m.

Admission is 25 cents, payable at the door.

The first segment of the program, titled "Carnival of the Animals," is set to music of Charles Camille Saint-Saens. In four different movements, various species of animals will be suggested by the dancers. The movements are given names of "Turtle Can-Can," choreographed by Arlene Weiner; "Aquarium," by Martha Kent; "Cuckoos," by Valerie Stover; and "Baby Elephants," by Amy Lehman McKinstry. Using Saint-Saens' "Danse Macabre," Barbara Shutte has choreographed a dance called "Rattlin' Bones." Dorothy Renne's "Earth and Sky Spirals" is set to Bartok's "Concerto for Orchestra." Mrs. McKinstry has also devised a series of solos for the "Galliards for Baroque Recorders" music by Widmann.



Orchesis, the dance club, will give two children's concerts Sunday, Jan. 26, in White Bldg. dance theatre, at 1:30 and 3:30 p.m. Under the artistic direction of Patricia Heigel Tanner, the club members have choreographed a series of dances depicting animals and other dances to please both children and adults.

Math, M.E. combine for new course

The Departments of Mathematics and of Mechanical Engineering are joining together to offer a special Spring Term course titled "Applications of Undergraduate Mathematics to Engineering and Science."

Dr. Raymond Ayoub, professor of mathematics, and Dr. David M. Parke, associate professor of mechanical engineering, will serve as instructors for the course, which has prerequisites of Math 63 and Math 72 or 100 (or the consent of the instructors). "We are offering this course," say Dr. Ayoub and Dr. Parke, "in the hope that it will bridge the obvious gaps between courses in engineering, science and technology. The engineering and science cur-

ricula require undergraduate exposure to some of the most widely applicable branches of mathematics. Yet the development of reasonable skill in applying mathematics has not been encouraging.

"We hope that the student will gain skill and insight in the why, when, and how of using undergraduate mathematics as an effective tool in his field of interest."

Case studies of applications of math to a variety of situations will be used, and class and individual projects will be employed to develop skill both in choosing the most judicious mathematical formulation of a physical process and in extracting the greatest amount of information from the mathematical simulation used.

French students issue publication

The Fall issue of the French literature and language journal published by graduate students in the Department of French, "Les Bonnes Feuilles," is being sold currently. A single copy is \$1.50; four issues may be purchased for \$5.00.

"Les Bonnes Feuilles," in its sixth issue, has devoted its 169 pages to the studies of Christine de Pisan, Medieval poetess noted particularly for the importance she places on women in writings. The issue draws mainly from papers presented last March at the Mid-Hudson Medieval Society Convention at Vassar College; two articles submitted by Maureen Currow and Eric Hicks were not given at the convention.

Professor Charly K. Willard, of Ladykill

College, one of the authors represented in the issue, also subsidized the publication.

Christine de Pisan wrote "Livres de la cite des dames" ("Book of the City of Ladies") between 1404 and 1407, and in it she analyzes and refutes past criticisms and popular sayings about "the fairer sex" and relates biographies of nearly 200 women to underscore the importance of women in a world said to be dominated by men.

The editorial board of "Les Bonnes Feuilles" includes Paul R. Bernard, editor; Fakrih Grine, Regina Lambeck, Irene Maihot, David Flanary, as associate editors; and Barbara Graves, secretary-treasurer. Advisors to the staff are faculty members David Anderson, Isabelle Armitage, and Glyn Norton.

Senate approves rule exceptions

The University Faculty Senate at its Jan. 7 meeting approved exceptions to three Senate rules to allow establishment of extended degree programs in sociology and social welfare.

The two programs are to be experimental for five years and piloted in the eastern part of Pennsylvania with greatest initial activity at the Hazleton Campus. Credit accumulation is to be by resident instruction both at regular and irregular hours, by transfer of credit, by Continuing Education including correspondence study, and by examination.

An amendment to postpone the Senate

action because it was felt the Hazleton Campus did not have adequate resources to provide the programs was defeated.

It was pointed out that the Senate's approval of the rule exceptions concerns only the academic aspects of the programs, while the question of adequate resources is to be determined by the Provost.

In other Senate action, G. Edward Phillips, chairman of the Faculty Affairs Committee, presented a progress report on the group's subcommittee on rank and tenure. He said a subcommittee report may be brought to the Senate for discussion in March and for action the following month.

der, and Saratoga lamb chops. Service is at 5:30 p.m. in the Maple Room of the Human Development Bldg. For information and reservations, call 865-7441.

BEHREND GETS AWARD

The United Way of Erie recently presented its Achievement Award to the Behrend Campus for outstanding participation in the 1974 United Way Campaign.

YOUNG PEOPLE'S CONCERT

The demonstration of special features of the new University Auditorium and the performances of young artists will highlight the annual Young People's Concert by the PSU Symphony Orchestra at 3:30 p.m. Sunday, Feb. 2, in University Auditorium at the University. Dr. Douglas Miller will direct. Eight student musicians, winners of the last Young Artists Competition in the music department, will be featured in five works chosen to allow active displays of the adaptability and versatility of the new facility. Among these displays will be the mounting of the orchestral shell as the audience watches. Participating young artists will be Katherine Cowdrick, Theresa Vincent Smith, Michael Powell, Daniel Ragone, Richard Victor, Nancy Ruffer, David Brooks, and Paul Yarbrough.

TRUSTEE ELECTIONS

Michael Baker, Jr., of Beaver, Pa., was re-elected to a third term as president of the Board of Trustees of the University last Saturday. William K. Ulerich, of Clearfield, was re-elected to a third term as vice president. Both are for one-year terms.

ENROLLMENT TWELFTH

Latest nationwide statistics put Penn State 12th among four-year colleges and universities in grand total enrollment, dropping from 10th last year, and in 13th place in full-time enrollment. Grand total enrollment includes part-time students.

Artists Series has busy schedule

Three major events are coming up on the Artists Series, the first this weekend when members of the Negro Ensemble Company will perform the Joseph Walker play, "The River Niger," Sunday, Jan. 26, at 8:30 p.m. in University Auditorium. Tickets for this program have been sold out.

Friday, Jan. 31, Matteo and the Indo-American Dance Company will perform in Schwab Auditorium at 8:30 p.m. Most of the tickets for this program were taken by season ticket holders and the few remaining will be sold beginning Tuesday, Jan. 28, at 9 a.m. at the HUB.

The annual residence of the Pittsburgh Symphony will take place during the first week of February. Performances will be given Feb. 6 and 8, both in University Auditorium at 8:30 p.m., but with different programs. Verdi's "Requiem" featuring the University Choirs, directed by Raymond Brown, professor of music, and with soloists Martina Arroyo, Tatiana Troyanos, Barry Morrell and Donato Girotti, will be performed Thursday, Feb. 6. James Levine will conduct. Tickets for this performance will go on sale Monday, Feb. 3, at University Auditorium. Since this is part of the Music Series, season ticket holders have taken most of the seats.

The program Saturday, Feb. 8, however, is a special event, not sold to season ticket holders. It will be conducted by Donald Johanos and will feature music of Mozart, Copland, and Charles Ives.

DELAWARE —

(Continued from page one)

by the Community Chests.

Her next job took the Philadelphia native to a public relations firm. She was assigned to handle a research program for Children's Medical Center of New York to determine available hospital facilities for children. Returning to radio, she became one of the youngest women in America to act as sales promotion manager at a network station, CBS affiliated WCAU, Philadelphia. She served as public relations director of New York City's Guild for the Blind and then assumed a similar post with the Foundation for Experimental Biology in Worcester, Mass.

"They really need public relations help," she notes. "When I first arrived in Worcester, I couldn't find even anyone who knew where the Foundation was housed. It turned out to be a fascinating place to work, however. This was the research group which developed the Pill, and they had important projects underway in arthritis, cancer and stress research. I created and produced a television series for them called 'Science Open House,' which was telecast out of Boston."

Earlier, Dr. Newman had scripted a radio series, "Marriage in the Millions," which was named Philadelphia's best rated service program of the year and was syndicated for broadcast in over 200 cities.

Dr. Newman recalls her meeting with Hemingway as one of the highpoints in her career.

"I had decided to spend six months in Europe and to finance it by writing a travel book about offbeat places," she continues. "When I got to Venice, I heard Hemingway was there. It was early in the morning and he was working on 'Across the River and into the Trees.'"

"I wrote a note that said something like, 'I'm a girl who has lost her bank account into the Grand Canal to write a book about Italy. You could make it a bestseller if I could quote you in Chapter 5.' Then I sent it up to him with a waiter. 'To my surprise, he invited me to come right up and spent a half hour talking to me. He gave me a lot of tips on what to see as a non-tourist, and I can still hear him say as I left, 'I wish you luck, kid.'"

"I did write the book, but alas I could paper the wall with rejection slips."

The comic strip was yet another product of Dr. Newman's facile pen. She wrote "Roy Powers, Eagle Scout" under a male pseudonym so her public wouldn't know that such sport-smoking adventures were concocted by a woman.

"Scout etiquette posed a number of problems for me," Dr. Newman remembers. "Scouts were always supposed to wear their hats, and I had set up one advertisement where my hero jumped off a cliff



Matteo and the Ethno American Dance Theatre will perform dances from India, China, Yemen, the Middle East, and Japan in their Artists Series program Friday, Jan. 31. He is a Cornell University graduate with an M.S. from Springfield College; he is on the faculties of N.Y.U. and Finch College.

to rescue a drowning boy. How could he wear a hat convincingly in that situation? I solved the problem by having my illustrator show the hat floating on the water ready for immediate use.

"I got into the Edgar Bergen column through my newspaper contacts, since I had been syndicated featured for our kids like King Features, Bell Syndicate and others. I wrote it for only a short period and I never mastered ventriloquism myself."

Dr. Newman currently is attempting to turn her thesis — at 915 pages, one of the longest ever written for Temple's Speech Department — into a book. Her subject is Earl G. Harrison, a Quaker who served as dean of Penn's Law School and later became resident Roosevelt's Commissioner for Naturalization and Immigration. After World War II, he fought for five years to change our restrictive immigration policies and launched a successful national social action movement to pressure politicians at the grass roots level.

"At a time when there is such a lack of idealism about our public figures," Dr. Newman notes, "a man like Earl Harrison is an inspiration. His life shows that dedicated people can unite and shift the wheels of government."

"My own personal philosophy has always been that life is so full of opportunities that it's our own fault if we don't make our days interesting."

HUB specials

Sunday, Jan. 27 — Lunch, stuffed pepper, \$9; dinner, meatloaf with potato bread, \$85.

Tuesday, Jan. 28 — Lunch, barbecue on a bun, soup, \$84; dinner, beef stew with biscuits, \$1.30.

Wednesday, Jan. 29 — Lunch, spaghetti, meat sauce, \$1.22; dinner, Salisbury steak, \$1.95.

Thursday, Jan. 30 — Lunch, turkey turnover, \$1.55; dinner, lasagne, \$1.35.

Friday, Jan. 31 — Lunch, macaroni and cheese, \$9; dinner, french fried cakes, \$1.38.

Saturday, Feb. 1 — Lunch, chili con carne, \$80; dinner, franks and beans, \$1.03.

Sunday, Feb. 2 — Dinner, chopped steak with mushrooms, \$1.69; supper, braised beef with noodles, \$1.14.

WPSX highlights

Sunday, Jan. 26 — Emmy-winning documentary, "The First Signs of Washoe," chimpanzee taught to use American Sign Language, 7:30 p.m.

Monday, Jan. 27 — 90-minute documentary, "World Hunger, Who Will Survive," on India, India and Colombia, 8 p.m.

Tuesday, Jan. 28 — Continuation of "The Assault of Man," on the development of chemistry, 9 p.m.

Wednesday, Jan. 29 — Anton Chekhov's "The Sea Gull," 9 p.m.

Thursday, Jan. 30 — 1969 Japanese film, "Doan's Suicide," 9 p.m.

PENN STATE intercom

Volume 4, Number 20

January 30, 1975

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

Two from Altoona are first of seventeen

Faculty interchange program begins

Seventeen faculty members have been selected as the initial participants in a pilot "Faculty Interchange Program."

Under the experimental program, faculty at the Commonwealth Campuses will spend one or two terms at the University Park Campus for research, writing, or teaching.

The program was established through the Commonwealth Campus Scholarly Activity Fund, which provides financial assistance to Commonwealth Campus faculty in their pursuit of scholarly and creative activities.

According to Joseph F. Douglas, associate dean of academic instruction for Commonwealth Campuses, the interchange program is designed to "foster and promote the collegial interaction essential to scholarly activity and especially important to a multi-campus university."

"The whole idea," he added, "is to give instructors at the Commonwealth Campuses an opportunity to participate in academic seminars, and to carry out various types of research and creative writing with the constant resource of a library such as Pattee Library at University Park.

"They also will be able to continue work at writing doctoral dissertations and may teach upper division courses not normally taught at the two-year Commonwealth Campuses. All in all, the program will allow the faculty members to become in-

volved in a broader scope of scholarly activities."

The first interchange participants will be in residence at University Park during the winter, spring and summer terms. During the current Winter Term, two Altoona Campus faculty members are working and studying at University Park.

Mrs. Marthame Schlow, Instructor in speech communication, is teaching speech and studying Portuguese, while Dr. Nicholas J. Miskovsky, assistant professor of physics, is conducting research on energy resources.

Dean Douglas said the program also provides for faculty members at the University Park Campus to spend some time at the Commonwealth Campuses. In line with this aspect of the program, a graduate student in arts and architecture will spend the Spring Term at the Fayette Campus assisting Zelfko Kujundzic, associate professor of art.

"We expect that more University Park faculty will participate in the program as they realize the growth potential and the expanding opportunity to study the larger University system," Dean Douglas said.

Faculty members wishing to participate in the interchange develop a project proposal and submit it to their academic and administrative officers.

"The entire program," Dean Douglas pointed out, "is a joint effort of the Com-

monwealth Campus faculty member working closely with the campus administration, his department head, and various deans to make the interchange more meaningful."

Besides Mrs. Schlow and Dr. Miskovsky, those selected for the first phase of the Interchange program are:

Wallace R. Bell, Worthington Scranton Campus, dissertation and publication.

Gerald A. Bortoff, Mont Alto, teaching and research.

James D. Boyer, Berks, teaching and comprehensive preparation.

John E. Farr, DuBois, study and research.

James V. Glynn, Shenango Valley, seminar activity.

James H. Hogg, Beaver, study.

Zelfko Kujundzic, Fayette, graduate assistant support.

Lajos Mihailovics, York, teaching and study.

Anthony M. Miranda, McKeesport, study and teaching.

Frederick J. Sifton, Wilkes-Barre, doctoral course work.

E. S. J. Tomeszko, Delaware County, teaching and research.

Gale A. Townsley, Fayette, research and writing.

Merwin L. Weed, McKeesport, teaching.

Benkt R. Wennberg, Ogontz, research.

Margaret E. Yoder, Schuylkill, research and study.

Research initiation grants deadline nears

The Penn State 1975-76 Research Initiation Grants Program provides grants to support research and other creative work in science, technology, the social sciences, and work in the arts and humanities.

Faculty at all campuses are invited to submit proposals. Awards will range from \$2,000 to \$5,000 for 12 months. Call your ACOR dean or Commonwealth Campus director for further information.

The proposal deadline is February 21. Following preliminary screening by colleges, final awards will be recommended by an ACOR subcommittee.

Awards will be announced by March 17.

News in brief

PHI SIGMA IOTA

The Initiation ceremony for Phi Sigma Iota, the honorary in Romance languages, will be held Sunday, Feb. 9, in the Fire-side Room of the Nittany Lion Inn, followed by the annual banquet. All Phi Sigma Iota members are welcome to attend, but dinner reservations must be made before Feb. 1. Checks for dinner tickets, which are \$5.50, should be sent to the Corresponding Secretary, Room S402 Burrows.

ZONING CONFERENCE

A one-day conference on "Zoning and Land Use for the Unzoned Community" is to be conducted at York Campus Thursday, Feb. 6. It is designed to help those charged with responsibilities in determining land-use policy in a community or area to gain a better understanding of the legislation and functioning of an actual zoning ordinance. Particular focus will be on the community which does not have a zoning ordinance and is considering one. William King, assistant professor of landscape architecture, and Paul Mazza, State College attorney, will conduct the session.

EMS CAREER PROGRAM

Three U.S. Steel Corp. employees will discuss their firm's present activities in confronting current energy and economic problems and employment prospects with relation to both summer and permanent jobs at a meeting on Monday, February 3, at 7:30 p.m., in 26 Mineral Sciences Bldg. This is the first in a series of programs being presented by the career program committee of the Earth and Mineral Sciences Student Council. Taking part in the program, which is open to all who are interested, are David M. Bates, manager of college relations with U.S. Steel; Joseph Lindsay, 1951 Penn State mining graduate who is assistant superintendent of the company's Lorain/Cuyahoga Division; and James Gallimore, of the Gary Coal District.

PAPER CONTEST WINNER

Christopher J. Bise, of Philadelphia, a candidate for the master of science degree in mining engineering is the national winner in the graduate division of the 1974 Society of Mining Engineers student paper contest. His prize-winning paper was entitled "A Technological Assessment of Mining Thick Coal Seams by Underground Methods." Bise, a graduate of Virginia Polytechnic Institute and State University with

Proposal to be considered at Feb. 4 meeting

Released time for Senate chairman is proposed

The University Faculty Senate at its Feb. 4 meeting will consider a proposal to provide released time for the chairman of the Senate.

The proposal was developed by the Senate Committee on Committees and Rules in response to Recommendation 16 of the Governance Committee Report, which encourages relieving a senator of as many non-Senate duties during the year of service as chairman as is possible.

At its December meeting, the Senate amended its bylaws to provide for the election of a chairman-elect who automatically, after one year, succeeds to the position of Senate chairman, and then, one year later, succeeds to the position of past-chairman.

Noting some concern that requiring a three-year commitment from a prospective Senate chairman might discourage highly qualified Senators from accepting a nomination, the Committee on Committees and Rules said it was recognized that, during the year of service as chairman and during the year following the three years of service, some relief from other academic duties was highly desirable.

Senators will be asked to approve the following Committee motion:

"The Senate strongly recommends that the University administration provide financial support, as needed, to enable a senator who serves as chairman of the Senate to be released from at least one-half of the senator's regular academic duties. This provision for released time should apply to the year of service as Senate chairman. In addition, funds should be provided to permit a similar reduction in academic duties during the year a senator serves as either

chairman-elect or past-chairman or during the year following a senator's service as past-chairman."

According to the Committee report, providing released time for a senator who is elected chairman of the Senate should have several desirable consequences.

"It should increase the probability that a senator who is nominated as chairman-elect will accept the nomination," the report noted. "In addition, it should permit a senator who is serving as chairman to devote more time to the business of the Senate. Finally, it should make it easier for a senator who has served a three-year term as chairman-elect, chairman, and past-chairman to assume his or her teaching and scholarly work."

Also on the Senate agenda are proposed changes in four student rules and revision of Rule A-5 concerning reinstatement of students dropped for unsatisfactory scholarship. The proposed changes involve rules concerning course credits and student credit load.

An informational report from the Senate office on the status of faculty organiza-

tion constitutions will be received.

Under unfinished legislative business on the agenda, Senator Murray S. Martin will present the following resolution regarding extended degree programs:

"The University Faculty Senate in pursuit of its support for the experimental offering of extended degrees recommends to the University Administration that highest priority be given to the funding support necessary for such programs."

The Senate also will continue its forensic discussion of delegation of authority, with Guy E. Rindone, past chairman of the Intra-University Relations Committee, scheduled to make a presentation.

Also scheduled for discussion under forensic business are:

—Delegation of Authority to Graduate School, Dr. James B. Bartoo, dean of the Graduate School, and Dr. Richard G. Cunningham, vice president for research and graduate studies.

—A recent ruling on the use of University mails, Dr. William Rabinowitz, on behalf of the American Association of University Professors.

Vietnam vets

Vietnam era veterans anxious for a second chance at a college education can apply for admission to the 1975-76 Developmental Year Program at Penn State.

The program, to begin in September, is designed for the veteran who did poorly in high school, has been away from school for a number of years or has earned the

General Equivalency Diploma (GED) without completing a formal high school education. Veterans accepted for the program will be admitted to the major of their choice, regardless of educational background.

An individual program will be designed for each veteran which will allow him to "phase into" full-time degree work at his own pace. Full financial aid, G.I. benefits and counseling will be available.

(Continued on page four)

Poetry, biography among new books

The development of a poet's craft over 40 years is the subject of "Structure in Milton's Poetry," a new book by Dr. Ralph W. Condee, professor of English, published by the University Press. Dr. Condee takes the idea of structure and traces Milton's progress from "Elegia Prima," an early and rather clumsy poem, to his last great work, "Paradise Regained." In the process, he considers not only the poet's handling of ideas but also his development in terms of images and rhythmic effects. Milton's Latin poetry, which many critics have treated separately, is examined by Dr. Condee, who notes that it played an important part in helping the poet "develop the particular kinds of structure which were forerunners to the structural intricacies of 'Lucydes,' 'Paradise Lost,' and other poems of his maturity." Dr. Condee's treatment of "Mansueto" is the only detailed discussion of the poem ever published. A chapter is devoted to "Paradise Regained," which he believes is often misread. "Rather than being a feeble poem," he writes, "it is in many ways a bold culmination of the direction that Milton's poetic development has been taking." Much of the work on the book was done by Dr. Condee as a senior research fellow at Giesegow University.

Honors

Dr. Charles L. Hosler, Jr., dean of the College of Earth and Mineral Sciences, has been named president-elect of the American Meteorological Society and will become president in January, 1976. He has served as counselor, secretary of executive committee, chairman of the board of ethics, and as a member of many committees in the Society. He is the second Penn State faculty member to head the organization; Dr. Alfred K. Blackadar, head of the department of meteorology, served as president in 1971.

Harry O. Wilcox, retired Delaware County agricultural agent, was recipient of the Pennsylvania Turfgrass Council's Service Award which was presented at the annual Turfgrass Conference, January 22, at the University Park Campus. Wilcox, who retired from the Penn State Extension Service staff in 1958 after 35 years of service to the University, was cited for his educational turfgrass programs during his tenure as a county agent and also his consulting work following retirement.

John T. Smith, York County agricultural agent, has been named winner of the 1974 Pennsylvania Dairymen's Association Award of \$100 and an inscribed plaque "for valuable and noteworthy contributions to the state's dairy industry." The award was presented at the state dairy association's annual meeting during the Farm Show in Harrisburg.

John L. Rosenberger, associate Juniata County agricultural agent, was recipient of the 1974 Pennsylvania Pork Producers Council Service Award, a plaque, for his educational efforts for the state's livestock producers. Rosenberger received the award during ceremonies at the Pennsylvania Farm Show.

Appointments

Dr. Walter R. Heald, as adjunct professor of soil science. He has been serving, since last September, as soil scientist of the U.S. Department of Agriculture-Agricultural Research Service-Northeast Region, Northeast Watershed Research Center at University Park. He is a graduate of Colorado State University, with M.S. from the State College of Washington and the Ph.D. from Purdue University.

A British writer who made his greatest impact on literature as a novelist and diarist is the subject of a critical biography, "T. H. White," by Dr. John K. Crane, associate professor of English. Published by Twayne, Inc., the book analyzes White's work from his first volume of poetry in 1929 through his tetralogy, "The Once and Future King," to "America At Last," his final journal, published posthumously in 1965. White's philosophy might be summed up, according to Dr. Crane, in the line he has Meritt utter in "The Sword in the Stone" that the best thing for being sad is learning something. He was a "passionate learner," who threw himself into such varied activities as flying, painting, falconry and medieval Latin translations, all of which he subsequently turned into material for his books. Dr. Crane, who joined the faculty of the University in 1971, received his doctor of philosophy degree at Penn State in 1966. He was an assistant professor of English at the U.S. Air Force Academy and the University of Southern California and served as a visiting professor of modern literature at the University of Washington and the University of Colorado.

Scholarship funds are announced

A memorial scholarship fund, honoring the late Richard A. Peyton, Jr., of Philadelphia, has been established to help students in the College of Education. Peyton, an instructor in education and coordinator of elementary student teaching in the Philadelphia area, died in 1973 in an automobile accident. He was graduated from Penn State in 1951 and received an M.A. degree in 1971; he was a doctoral candidate at the time of his death. To receive a Peyton Scholarship, the student must be enrolled in the Division of Academic Curriculum and Instruction in the College. Disadvantaged students interested in urban education will be given preference.

A 1919 graduate, Mabel A. Alexander, who died in 1972, providing a trust fund to establish a scholarship which will benefit full-time students majoring in political science, history or other subjects with the intention of entering government service. Miss Alexander also earned an M.A. degree at Penn State.

A memorial award, which will aid students in medical technology having at least junior standing, has been established as a memorial to the late Dr. Richard L. Maginnis, associate professor of microbiology who died in 1973. Colleagues and friends provided the initial principal of the fund. Dr. Maginnis, who received both advanced degrees from Penn State, served on the faculty for 11 years.

A Dr. Alfred L. Spalone Scholarship Fund has been established to aid students at the Hazelton Campus. The fund was initiated by Dr. Spalone, who will contribute \$500 annually to implement the program. He attended the Hazelton Campus and now practices dentistry in Kilmarnock, Va.

A contribution of \$2,000 to establish the Adele Vance Thompson Award has been made by Mrs. Audine T. Adams, of Richmond, Ky. Miss Thompson, who resided in Huntingdon County, was a Penn State alumna and taught for a number of years in Pennsylvania schools. The award will be made to students in the College of Education.

HUB specials

Monday, Feb. 3 — Lunch, hot meat sandwich, \$1.12; dinner, beef soup with biscuit, \$3.30.
Tuesday, Feb. 4 — Lunch, scalloped ham and potatoes, \$3.40; dinner, roast turkey, \$17.71.
Wednesday, Feb. 5 — Lunch, double hamburger, soup, \$1.34; dinner, Italian salads, \$2.23.
Thursday, Feb. 6 — Lunch, meatball sandwich, soup, \$1.45; dinner, Chinese pepper steak, \$1.14.
Friday, Feb. 7 — Lunch, fishwich, cold stew, \$1.10; dinner, fisherman's platter, \$3.59.
Saturday, Feb. 8 — Lunch, chili con carne, \$6.9; dinner, roast lamb, \$1.14.
Sunday, Feb. 9 — Dinner, roast turkey, \$1.76; supper, Swedish meatballs, \$1.17.

Malone named to head ag economics

To succeed Dr. Lee M. Day as head of the department of agricultural economics and rural sociology and professor of agricultural economics, Dr. John W. Malone, Jr., University of Nevada director of program planning of the University system, has been selected, the appointment being effective Jan. 15.

Dr. Day resigned in October to accept a position with the Northeast Regional Center for Rural Development, Ithaca, N.Y.

Dr. Malone was at the University of

Nevada for 12 years, holding positions from assistant professor and agricultural economist to professor and chairman of the Division of Agricultural and Resource Economics before becoming program planning director.

A graduate of the University of Connecticut, he received the Ph.D. from Oklahoma State University, in agricultural economics. In 1969-70, he was an American Council on Education Fellow, in the Academic Administration Internship Program, he was at Purdue University.

Two Cultures Dialogue resumes

A new series of discussions by the "Two Cultures Dialogue" group is currently underway; the first was held yesterday (Wednesday, Jan. 29) with Dr. Stanley O. Ikenberry, senior vice president for development and relation, as discussion leader.

The next program, Monday, Feb. 10, will be concerned with "Historical and Current Approaches to Assessing Teaching," with Dr. Henry Johnson, associate professor of education in education policy studies, as leader.

Then, on Tuesday, Feb. 25, Dr. J. J. Kaufman, director of the Institute for

Research on Human Resources, and Dr. James B. Bartoo, dean of the Graduate School, will lead a discussion on "Elements and Process of Evaluation of Academic Programs."

All sessions are held at the Material Research Laboratory on East Campus at noon. Outer Loop campus buses stop at the Lab every 15 minutes.

Two Cultures Dialogue is a faculty-level discussion of general concern to the University community designed to increase communication and understanding among the elements comprising the University.

Faculty, students spirits lifted

Delaware learning center approved

The \$3.1 million library-learning center, recently approved for Delaware County Campus by Governor Shapp, will greatly alleviate the crowded situation under which the campus has operated for the past several years, according to John D. Vairo, campus director.

Addressing the regular meeting of the campus's advisory board on January 22, Vairo expressed the appreciation of the faculty and students for approval of the construction as a General State Authority project. He noted that 1,175 daytime students and more than 800 evening students are now using one building which was designed to accommodate 750 persons. The campus has been operating in the building since January 1971.

The new building, expected to be under construction early next year, will provide space for the campus library, which now holds more than 20,000 volumes, and will house all audio-visual and learning center facilities.

"The new building will permit us to strengthen our academic program by freeing space in the present building for badly needed classrooms and student services," Vairo said. "In addition, it will permit us to expand our community services programming, which has been limited due to lack of space."

Beaver hosts joint faculty symposium

The Third Annual Joint Faculty Symposium will take place Friday, February 7, at the Beaver Campus.

The seminar is sponsored by Beaver County Council of Higher Learning, comprised of Community College of Beaver County, Geneva College, and Penn State Beaver Campus. The purpose of the seminar is to promote the cooperation and exchange of ideas and information between the faculties of the three institutions of higher education in Beaver County.

Main speaker at the dinner concluding the seminar will be noted historian Dr.

Henry Steele Commager, professor, author, editor, and lecturer. He will speak on "Agenda for the Seventies."

During the afternoon, student and faculty groups of the three institutions will be meeting with Dr. Commager. History and political science faculty members will meet with him during an informal luncheon. Later in the day he will hold a discussion session with history and political science students.

The afternoon sessions of the seminar will include nine presentations by members of the three faculties.

Capitol Campus plays host to meeting

Black higher education conference on

The Fifth Annual Black Conference on Higher Education for the State of Pennsylvania is being held this week at the Host Inn in Harrisburg, hosted by Penn State-Capitol Campus and Harrisburg Area Community College. The Conference concludes Sunday.

Four years ago K. Leroy Irvis convened the Black Conference in order to facilitate Black input to a master plan that was being developed for higher education. Since then, Black students, faculty and adminis-

trators have been meeting annually to discuss problems that are unique to Blacks in higher education. Approximately 200 people will attend the conference this year.

Irvis, majority leader in the State House of Representatives and initiator of the conference, will be the main speaker. Other speakers will be Dr. Herman Branson, President of Lincoln University; Dr. George Roberts, vice-chancellor of the University of California at Irvine; and Cheryl Harvey, vice-president of B.A.S.I.C.S.

Vol. 4, No. 20 Jan. 30, 1975
 Penn State INTERCOM is a weekly publication for the academic community of the Pennsylvania State University, published each Thursday when classes are in session. General information and items for the calendar should be sent to the editor by Thursday of the week preceding publication date, Room 312 Old Main.
 Editor: W. F. Ackerman Phone 865-7217

University Park Calendar

January 30-February 9, 1975

Items to be included in this calendar should be sent to the editor, Room 312 Old Main, by Thursday of the week preceding publication.

Special Events

Friday, Jan. 31 — Jammy with "Life," rock group, sponsored by Hetzel Union Board, 9 p.m., HUB ballroom.
Friday, Jan. 31 — Artists Series, Matteo and the Ethno-American Dance Company, 8:30 p.m., Schwab.
Friday, Jan. 31 — Sports: Women's basketball, vs. Edinboro, 7 p.m.
Friday, Jan. 31 — Commonsplace Collee-house, 8 p.m., Room 102 Kern.
Saturday, Feb. 1 — Faculty Club Dance/Party, 9 p.m., Rooms 101-2 Kern.
Saturday, Feb. 1 — Free U jammy, 7:30 p.m., HUB ballroom.
Saturday, Feb. 1 — Sports: Men's and women's gymnastics, vs. Massachusetts, 8 p.m., Rec Hall. Men's basketball, vs. Georgetown, 1 p.m., Rec Hall. Wrestling, vs. Army, 3:30 p.m., Rec Hall. Women's swimming, vs. Bloomsburg, 2 p.m.
Saturday, Feb. 1 — Penn State Symphonic Wind Ensemble, 8:30 p.m., Music Bldg.

recital hall. Re-scheduled from earlier cancellation.
Sunday, Feb. 2 — PSU Symphony Orchestra Young People's Concert, 3:30 p.m., University Auditorium.
Sunday, Feb. 2 — Chapel Service, 11 a.m., Eisenhower Chapel. Rev. Robert L. Burgie, Lutheran Student Parish.
Sunday, Feb. 2 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.
Sunday, Feb. 2 — Sports: Invitational indoor soccer tournament, round-robin play from 10:30-12:30 p.m., semifinals at 2 p.m., Rec Hall.
Monday, Feb. 3 — Anita Greenlee, organ recital, 8:30 p.m., Music Bldg. recital hall. Re-scheduled from earlier cancellation.
Monday, Feb. 3 — Earth and Mineral Sciences Career Program, 7:30 p.m., Room 26 Mineral Sciences.

Tuesday, Feb. 4 — Sports: Women's basketball, vs. Slippery Rock, 4 p.m.
Tuesday-Wednesday, Feb. 4-5 — Alpha Phi Omega Bloodmobile, 9 a.m.-5:00 p.m., HUB ballroom.
Wednesday, Feb. 5 — FSHA 410 Polynesian luau dinner, 5:30 p.m., Human Development Bldg. Maple Room. Reservations, call 865-7441.
Thursday, Feb. 6 — Sports: Women's basketball, vs. Bucknell, 7 p.m.
Thursday, Feb. 6 — Artists Series, Pittsburgh Symphony Orchestra, Verdi's "Requiem," 8:30 p.m., University Auditorium.
Friday, Feb. 7 — Folk and Square Dance Roundup, 7:30 p.m., White Bldg. south gym.
Friday, Feb. 7 — Commonsplace Coffee-house, 8 p.m., Room 102 Kern.
Friday-Sunday, Feb. 7-9 — IFC Dance Marathon, beginning Friday 11 p.m., ending Sunday 11 p.m. Benetti Easter Seals Society.

Saturday, Feb. 8 — Artists Series, Pittsburgh Symphony Orchestra, 8:30 p.m., University Auditorium. Philip Deltra, piano soloist, and William Warfield, baritone, guests.
Saturday, Feb. 8 — Free U jammy, 7:30 p.m., HUB ballroom.
Saturday, Feb. 8 — Sports: Men's basketball, vs. Navy, 2 p.m., Rec Hall. Men's gymnastics, vs. Temple, 8 p.m., Rec Hall. Men's fencing, vs. Newark, 2 p.m.
Sunday, Feb. 9 — Chapel Service, 11 a.m., Eisenhower Chapel. The Venerable Pandia D. Piyandana Mahahera, president, Buddhist Vihara Society, Inc., Washington, D.C.
Sunday, Feb. 9 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

Seminars

Thursday, Jan. 30 — Environmental Pollution Control, 9:55 p.m., Room 124 Sackett. Robert Blanco, EPA Region III office, Philadelphia, on "Environmental Impact Statements."
Thursday, Jan. 30 — Chemistry, 12:45 p.m., Room 333 Whitmore. Martin Guterom, University of Washington, on "Toxonomy of Metal Porphyry."
Thursday, Jan. 30 — Physics, 3:35 p.m., Room 117 Osmond. William F. Brinkman, Bell Telephone Laboratories, Murray Hill, N.J., on "Electron-Hole Droplets in Germanium."
Thursday, Jan. 30 — Agronomy, 3:45 p.m., Room 111 Vernon. John Shaffer on "The Effects of Mowing Management on the Morphology and Physiology of Kentucky Bluegrass."
Thursday, Jan. 30 — Biophysics, 4 p.m., Room 617 Life Science I. Dr. Joel Rosenbaum, University, Yale University, on "In Vitro Assembly of Microtubules."
Thursday, Jan. 30 — Meteorology, 3:55 p.m., Room 26 Mineral Sciences. Nels Shrier on "Equivalent β -Effects in the Rotating Annulus."

Thursday, Jan. 30 — Statistics, 4 p.m., Room 69 Willard. Dr. David Hoaglin, Harvard University and National Bureau of Economic Research, Cambridge, on "Looking at Lattice Properties of Random-Numbers Generators."
Thursday, Jan. 30 — Acoustical Society of American and Engineering Acoustics, 4 p.m., Room 73 Willard. Dr. David Vollmer, electrical engineering, on "Geometric Theory of Diffraction."
Monday, Feb. 3 — Remote Sensing, 4 p.m., Room 301 Electrical Engineering West. Hugh A. Devine, forest resources, and Dr. F. Yates Borden, forestry, on "Machine Merging of Ground Truth Data with Remote Sensing Data."
Monday, Feb. 3 — Genetics, 3:55 p.m., Room 111 Life Science. J. T. Stout on "Biogenesis of m-RNA: Genetic Regulation in Mammalian Cells."
Tuesday, Feb. 4 — Analytical Chemistry, 1 p.m., Room 333 Whitmore. Clay T. Enos.
Tuesday, Feb. 4 — Water Pollution Control, 2:20 p.m., Room 124 Sackett. Leon W. Weinberger, Leon Weinberger & Assoc., Rockville, on "Non-Point Sources of Pollution."
Tuesday, Feb. 4 — Physiology, 3:55 p.m., Room 111 Life Science. R. Bohn on "His-

tochemical Alterations of Aged Neurons."
Tuesday, Feb. 4 — Psychology, 1:15 p.m., Room 351 Moore. Fred Owens, on "The Intermediate Resting Focus of Accommodation and its Implications."
Tuesday, Feb. 4 — Plant Pathology, 9:45 a.m., Room 213 Buckhout. Deborah Murdock on "Aphid Transmission of Plant Viruses."
Wednesday, Feb. 5 — Ceramic Science, 3 p.m., Room 541 Deike. W. R. Jacoby and M. French, Westinghouse Nuclear, on "Nuclear Materials Processing and Facilities."
Wednesday, Feb. 5 — Fuel Science, 4 p.m., Room 301 Mineral Industries. Gregory Gargus, Combustion Lab, on "Weil Scrubbing for CO₂ Control."
Thursday, Feb. 6 — Biophysics, 4 p.m., Room 617 Life Science. Richard S. Margan on "Reciprocal-ribosome Hydrogen Bonds Exist in Transfer-RNA."
Thursday, Feb. 6 — Physics, 3:35 p.m., Room 117 Osmond. Robert C. Dynes, Bell Telephone Laboratories, Murray Hill, on "Sound and Second Sound in Solids, Liquids and Gases."
Thursday, Feb. 6 — Statistics, 4 p.m., Room 69 Willard. Dr. Marcello Pagano,

computer science, State University of New York at Buffalo, on "Factoring the Covariance Function of a Moving Average Process."
Thursday, Feb. 6 — Agronomy, 3:45 p.m., Room 301 Ag. Administration. Sharon Hornick on "Current Research Problems with Heavy Metals."
Thursday, Feb. 6 — Chemistry, 12:45 p.m., Room 333 Whitmore. Merle Battiste, University of Florida, on "Orbital Topology and Chemical Reactivity in Bridged Polycyclic Systems."
Thursday, Feb. 6 — Philosophy, 4 p.m., Room 167 Willard. Henry W. Johnstone on "Skepticism and Suicide."
Thursday, Feb. 6 — Aerospace Engineering, 4 p.m., Room 232 Hammond. Dr. Miroslav Nenadovich, Mechanical Engineering University of Belgrade, Yugoslavia, on "Stability Criteria of High Order Dynamic Systems."
Thursday, Feb. 6 — Meteorology, 3:55 p.m., Room 26 Mineral Sciences. Dr. Dennis W. Thomson on "Progress in Aerial Meteorology."
Friday, Feb. 7 — Architecture, 7:30 p.m., Room 128 Sackett. Shirley Vernon, Drexel University, on "Architectural Design Management."

Exhibits

Museum of Art — Paintings, Drawings, and Prints by Bruce Shobaken, Gallery A. Carlo Maratti and His Contemporaries, Drawings from the Roman Baroque, Gallery B. Selections from the Permanent Collection, Gallery B.
Zoller Gallery — Recent Prints and Drawings by Harold Altman.
Chambers Gallery — Art Education Graduate Exhibition, all media, opening Jan. 31.
HUB Gallery — "Vision of Peace in Painting," 42 children's paintings by Arab and Jewish children, also, "Cloth and Clay," by Sherrie Lonker, ceramics. Both displays presented by HUB Arts and Crafts Committee.
Cultural Center, Walnut Building — Works of members of Washington, D.C. Chapter, National Conference of Artists; many for sale, until Jan. 31.

Films

Friday-Sunday, Jan. 31-Feb. 2 — Centre Cinema, "American Graffiti," 7:00, 9:15, and 11:30 p.m., Room 105 Forum.
Monday-Tuesday, Feb. 3-4 — Simmons lecture series, "Never Give a Sucker an Even Break," 7:30 and 9:15 p.m., Simmons Lounge.
Tuesday-Thursday, Feb. 4-6 — Penn State Organization for Reform of Marijuana Laws, "Faking Off," 7:30 and 9:30 p.m., Room 105 Forum.
Wednesday, Feb. 5 — Commonsplace Theatre, "To Kill a Mockingbird," 7 and 9 p.m., Room 112 Kern.
Friday-Sunday, Feb. 7-9 — Centre Cinema, "Butterflies Are Free," 7:30 and 10 p.m., Room 105 Forum.

Meetings

Thursday, Jan. 30 — Peace Corps and Crossroads in Africa meeting for volunteers for work in Africa; slides and films with discussion on programs, 8 p.m., Walnut Bldg.
Monday, Feb. 3 — Education Student Council, 7 p.m., Room 123 Chambers.
Monday, Feb. 3 — OTIS, 8:30 p.m., Room 203 HUB.
Monday, Feb. 3 — USG Senate, 7:30 p.m., HUB assembly room.
Tuesday, Feb. 4 — University Faculty Senate, 2:10 p.m., Room 112 Kern.
Tuesday, Feb. 4 — ARHS, 7:30 p.m., Room 203 HUB.
Wednesday, Feb. 5 — Penn State Mining Society, 7:30 p.m., Room 26 Mineral Sciences. Robert Quenon, president of Monterrey Coal Co., Houston, on "Opportunities and Professionalism in Mining Engineering."

Lecture

Monday, Feb. 3 — Central Pennsylvania Chapter of the Archaeological Institute of America, 8 p.m., Room 112 Kern. Dr. James R. Wiseman, professor of archaeology and classics at Boston University, on "Stobi, a City in Ancient Macedonia."

Official

Monday, Feb. 3 — First day for signing Spring Term NDLS (National Direct Student Loans), SEO (Supplemental Educational Opportunity Grants), BEOG (Basic Educational Opportunity Program) and University Long Term Loans.

Artists Series has dancers, orchestra

Following the performance on the Artists Series Friday, Jan. 31, by the Matteo Ethno-American Dance Theatre, in Schwab Auditorium, the next performances will be by the Pittsburgh Symphony Orchestra, Feb. 6 and Feb. 8.

Tickets for the Feb. 8 (Saturday) performance will go on sale at the Auditorium and the HUB on Feb. 3. No tickets are available for the Feb. 6 program, which was sold out, with the exception of a few seats, to season ticket holders. Those few seats are being made available to members of the University Choirs, which will perform Verdi's "Requiem" with the orchestra.

Appearing with the orchestra on Feb. 8 will be William Warfield, bass-baritone, who

will be the Narrator in the orchestra's performance of Aaron Copland's "Lincoln Portrait." Warfield, who may be better known to the public for his role in "Porgy and Bess," is nevertheless considered a classical artist of the highest order.

In the Orchestra's performance of the Mozart "Piano Concerto No. 24 in C Minor," the soloist will be Philip Deltra, new member of the music faculty here, who has played with the Savannah (Ga.) Symphony. Charles Ives "Symphony No. 2" will complete the program, which will be conducted by Donald Johanos, associate conductor of the Orchestra.

The Orchestra will be here for a week-long residency as has been its custom in recent years.

Matteo and Ethno-American Dance Theatre on Artists Series Saturday.



PENN STATE intercom

Volume 4, Number 21

February 6, 1975

An internet communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

FWC has housing referral service

A short term Housing Referral Service is being provided by volunteers of the Faculty Women's Club to help staff and faculty members who either need a place to rent for a short time or have such a place. The service is not intended to take the place of rental services in the community which list long-term facilities.

A listing of available facilities will be maintained in the Club's temporary office in Room 313 Willard Bldg., staffed on Tuesdays from 10 a.m. to noon and Thursdays from 12 noon to 2 p.m. Listing cards may be picked up at the office.

This service is being provided only for faculty and staff members. For more information, call the Willard Bldg. office, 855-1538, or Mrs. Richard Tressler, 237-5426.

Water research ideas sought

The Pennsylvania Water Resources Center is accepting research suggestions from academic institutions for funding to take effect July 1, 1975 under Section 100 of the Water Resources Research Act of 1964 — the allotment program of the Office of Water Research and Technology, USDI. Applications for funding under this Act must be processed through the state Water Resources Research Center.

Deadlines are as follows:

FEBRUARY 10, 1975 — Submission of letter of intent to the Water Resources Research Center. Letter should not exceed two pages, and should include title, brief statement of problem, research objectives, financial estimated first-year budget and total project cost. Past practice has supported programs of two years duration with annual budgets approximating \$10,000.

FEBRUARY 21, 1975 — Selection of informal proposals to be submitted to OWRP announced by Water Center. Notification sent to principal investigators.

MARCH 7, 1975 — Submission of formal proposals to Water Center.

APRIL 1, 1975 — Submission of formal proposals by the Director of the Water Center to OWRP, USDI.

Informal proposals and requests for information should be directed to Dr. Archie J. McDonnell, 105 Land and Water Research Building.

Middle East talk

"Middle East Negotiations" will be discussed in a public lecture by Dr. Amos Perlmutter, professor of political science and sociology at American University, Washington, D.C., Wednesday, February 12, at 8 p.m., in the HUB Assembly Room.

Dr. Perlmutter is the author of "Military and Politics in Israel: Nation-Building and Role Expansion;" "Anatomy of Political Institutionalization: The Case of Israel and Some Comparative Analyses," and "Egypt: the 'Praetorian State,'" as well as numerous articles on the policies of the various parties to the Arab-Israeli conflict.

A native of Bialystock, Poland, Dr. Perlmutter migrated with his family to Tel Aviv. He received his B.A., M.A., and Ph.D. degrees in political science from the University of California, Berkeley.

Dr. Perlmutter's visit is being sponsored by the Committee on Middle East Studies and the Department of Political Science.

News in brief

INFORMATION DEADLINE

The Spring Term Calendar will be printed in the March 6 issue of INTERCOM. Information to be included should be sent to the Editor, Room 312 Old Main, by Feb. 20. Departments holding seminars with some regularity, not necessarily weekly, should consider listing the general information—place, time, and frequency—in the special box provided for such information. Organizations planning meetings which might be of interest to the general faculty should consider listing the meeting with some indication of the program planned.

ASEE BRANCH MEETING

Tickets for luncheon of the Penn State branch of the American Society for Engineering Education, Thursday, Feb. 13, must be reserved by 5 p.m. Monday, Feb. 10. The luncheon will be held in HUB dining room "A" at 12 noon and will be followed by a talk by Dr. Robert G. Quinn, dean of academic instruction for Commonwealth Campuses. Tickets, at \$2.80 each, may be obtained from John M. Samuels, assistant professor of industrial engineering, Room 207 J Hammond. Dean Quinn will discuss the Commonwealth Campus System.

YORK WORKSHOP

A one-day workshop on solid-state electronics will be held by the York Campus February 11 at Host Inn, Harrisburg, planned by Continuing Education. The workshop is designed for senior engineering staff members, engineering managers, and chief executives of Central Pennsylvania firms that are engaged in solid-state electronics work. The Pennsylvania Science and Engineering Foundation is aiding in

the workshop, which will have speakers from RCA, HRB-Singer, ITT, Delco Division of General Motors, and the Department of Commerce, Harrisburg.

VALENTINE ENTERTAINMENT

Entertainment for the HUB Terrace Room cafeteria Valentine Candlelight Dinner Thursday, Feb. 13, will be provided by members of Phi Mu Alpha, music honorary society, in the form of two barbershop quartets, "The Uncalled Four" and "The Quartertones." The menu for this special dinner will include a variety of entrees, from stuffed chicken breasts to veal paprika over noodles, and the dessert menu is equally varied. There will be a hospitality table and appropriate decorations.

CREOLE DINNER

The featured special dinner to be served Thursday, Feb. 13, by the 410 class in Food Services and Housing Administration in the Maple Room of the Human Development Bldg. will be in the style of a Mardi Gras Creole Dinner. The menu will feature Gumbo File and Red Snapper Creole. For reservations, call 865-7441.

ZIP CODE DIRECTORIES

A very small quantity of U.S. Postal Service Zip Code Directories is available at Addressing Service, and offices which have much use for this directory are invited to call 865-4051 to obtain a copy. Directories currently in use should not be replaced unless in poor condition, but some offices have developed a need for this type of information since the last distribution of the directory. James McKivison will be glad to discuss the need with any office.

COOKBOOK

The wives of resident doctors at the Milton S. Hershey Medical Center have put together a cookbook of some 200 favorite

recipes, and they are taking orders for the cookbooks now (priced at \$4). The profits from this sale go to the hospital through the office of gifts and endowments. The title of the book itself should sell some copies — "Just What the Doctor Ordered." The recipes are printed on durable note cards and are bound with rings. Orders will be taken until Feb. 18.

AGRICULTURAL PROGRESS

In the past 64 years, plant breeders at the University have developed and released to the seed industry some 170 varieties of crops, of which 49 were developed in the past four years. Tomato, pepper, muskmelon, sweet corn, eggplant, celery, cabbage, and lettuce are among the vegetable varieties developed here. Turfgrass and lower varieties have also been released and have found wide acceptance, and wheat, oats, and field corn as well as clover have been prominent among the developments.

TABLE TENNIS TOURNAMENT

All graduate students are eligible to take part in the first Graduate Student Table Tennis Tournament Sunday, Feb. 23. Trophies will be awarded to winners of separate men's and women's divisions. Entry forms, which must be returned by Feb. 19 at 5 p.m., may be obtained at the information desk in Kern Bldg. Graduate Student Association is sponsor.

ROWLAND FUND

A Grant-in-Aid fund, a memorial to Roger W. Rowland and his son, has been set up for helping outstanding student-athletes who show promise of future success. Mrs. Roger W. Rowland, widow of the member of the Board of Trustees who died last April, and Mrs. Naalre L. Lehr, his daughter,

(Continued on page two)

Renaissance Fund continues growth; aids 56

At the January meeting of the Board of Directors of The Renaissance Fund, Dr. Helen D. Wise for the Penn State Trustees, Dean James B. Bartoo representing the University Faculty Senate, Mrs. Nancy Desmond of the Alumni Association, Mr. John F. Brugel as a Director-at-Large, and Renaissance Scholar Karen Krushinskie were elected as an Executive Com-

mittee. They will manage Fund activities between Board meetings in cooperation with A. M. Wellington, professor of Counselor Education, who is the part-time Director of the Renaissance Scholars' Program.

Dean Bartoo, as Fund treasurer, reported a significant increase in giving to Renaissance in recent months with contributions from alumni, faculty, and staff. All

gifts are received through the Office of Gifts and Endowments. While federal and state funds aid college students who are poor both economically and academically in a broad scale effort at socio-economic uplift, Renaissance is unique in that it helps to make Penn State possible for very worthy young people who have high academic achievement and who need only some money to match their motivation.

Awards to nine new Scholars were announced. This brings the winter, 1975 number of enrolled Scholars to 56. These students are now receiving an average Renaissance award of \$186 per term. Along with all other available financial aid and their own resources and work, Renaissance is serving as a needy student's budget-balancer.

Trustee President Michael Baker, Jr., and University President Oswald offered their fellow Renaissance Board members a number of suggestions on fund raising. The Executive Committee was charged with the responsibility of following through on the ideas developed at the meeting. A. William Engel, Jr. and George Moellenbrock, Jr. of the Office of Gifts and Endowments attended the meeting as consultants.

Scholars, in the fall term, were quite successful academically according to a report by Mr. Wellington. Five had a perfect 4.00, ten made their Dean's List, thirty-nine had averages of 3.00 or better, and forty-one were over 2.50 for the term.



Four members of the Renaissance Fund Board greet two of the student members, Karen Krushinskie, second from left, and Charles E. Ehard, on the other side of Michael Baker, Jr., chairman of the Board of Trustees and member of the Fund Board along with Mrs. Nancy Desmond, left, Dr. Helen D. Wise, second from right, and J. Jesse Arnelle, far right. Karen, from Shavonville, is a sophomore in secondary education who hopes to teach Spanish and social work. Ehard, a senior in law enforcement and corrections, hopes to work with juveniles when he graduates.

Appointments

Dr. Thomas Thorburn, professor of business administration and head of the Public Administration Section of the Stockholm (Sweden) School of Economics, is serving as a Visiting Professor of Public Administration in the Institute of Public Administration for the Winter and Spring Terms. Dr. Thorburn is a noted authority on public and business management and economics in Sweden, having authored four major works on these subjects over the last 20 years. Two of his books, "Business Administration" and "Public Administration: Economic Decisions in Public Administration," both published in Swedish, have gone through four editions since their original publication in 1964 and 1969 respectively. His principal purpose for visiting the U.S. and the Institute of Public Administration is to gather information for a new book he is writing entitled "Economic Decisions in Public Administration." In addition to his research, Dr. Thorburn will be giving lectures and seminars to graduate students in Public Administration and other related areas.

William M. Holmes, as director of educational resources at the Hershey Medical Center, to be involved in medical illustrating, production of motion pictures, television programming, and videotape recording. He has been head of the department of medical illustration at St. Luke's Hospital, Cleveland, since 1958.

NEWS —

(Continued from page one)

ter, initiated the fund. Roger W. "Skip" Rowland, the son, an avid sports fan considered Penn State's No. 1 booster, died last August. He attended both Penn State and Princeton. Additional contributions to the fund are welcomed.

GENERAL STORES HOURS

General Stores is now on a new schedule of hours: 8 a.m. to 12 noon, 12:30 p.m. to 5 p.m. This service office and storage area is located in the Maintenance Bldgs., north of Beaver Stadium.

UNIVERSITY THEATRE

Tickets for the performances of Shakespeare's "Twelfth Night" at Playhouse Theatre (Feb. 13-15 and 18-22) are now available at the Playhouse box office and may be reserved by calling 865-1884 (from 1 to 6 p.m. until the play opens). Continue time for the production, which is directed by Knox Fowler, professor of theatre and film, is 8 p.m. The play is Shakespeare's most popular comedy.

ALTOONA ARTISTS SERIES

A mother and four of her seven children — Clemence N. Fogel and James, Kathy, Jeanne, and Helen — will perform February 9 at the Altoona Campus in the Music Maker Series of programs. Mrs. Fogel is an organist; James plays guitar, trumpet, and piano; Kathy is an abelist; Jeanne plays flute and piano, and Helen is a violinist. Their ages range from 19 to 13. The concert is at 3 p.m. and proceeds (tickets may be purchased at the door) go to the Altoona Campus Fine Arts Scholarship Fund.

CAPITOL EXHIBIT

Don Lantz, acting dean of the School of Art at Temple University who has had many one-man art exhibits throughout the state, has an exhibit at Capitol Campus currently. The exhibit uses "pointillism," a form of painting for which the artist uses single brush strokes to divide the canvas into small areas, often using different colors with each stroke. The colors blend and give the illusion of solid color. The exhibit will continue until Feb. 27.

YORK COMEOY PROGRAM

Billed as "The Sporting Life in Silent Comedy," a program involving prize fighting, football, auto racing, and baseball as well as other sports will be featured at York Campus Friday, Feb. 14. The College of Arts and Architecture and the York Arts Council are cooperating with the Campus in the program, part of the annual winter film festival. Ellis Grove, professor of theatre arts and assistant director of general education in the arts, is coordinating the program which will begin at 7:30 p.m. Eight 12-minute films will be shown during the program, which includes a narration by Grove.

In writing

Dr. Francis Ferguson, chairman of the graduate program in urban and regional planning at Capitol Campus, is author of "Architecture, Cities and the Systems Approach," published in paperback and hardback by George Braziller, Inc., New York. The book is the February main selection for the Library of Urban Affairs Book Club. The systems approach is one of the new tools for city planners, who have to wrestle with complex and opposing forces. Dr. Ferguson places systems analysis in the history of urban planning, examines the promises and possibilities which systems analysis offers the architect and planner, and provide a guide for the architect and planner to the use of systems analysis in dealing with city building.

Report writing seminar planned

Effective written communication through the use of reports, memos, and letters will be the goal of a two-day workshop designed for men and women at any level of management who want to receive practical instruction and supervised practice in the fundamentals of business and technical writing.

The Report Writing Seminar, a continuing education service of the University's College of the Liberal Arts, will be held Feb. 21 and 22 from 8:45 a.m. to 4 p.m. at the Elk's Country Club near Boalsburg.

Dr. Abram Fiskin, associate professor of English at Penn State, will conduct the seminar using lecture and group discussion techniques to cover a number of phases of report writing, including organizing the report, writing introductions and conclusions, selecting and using figures, tables, and appendices, and shaping the English sentence.

Information concerning the seminar was sent to department heads by Harry Weaver, area director for Continuing Education, from whom additional information may be obtained, Room 309 Shields (865-3443). Registration forms may be obtained there also.

UMW official to talk on contract

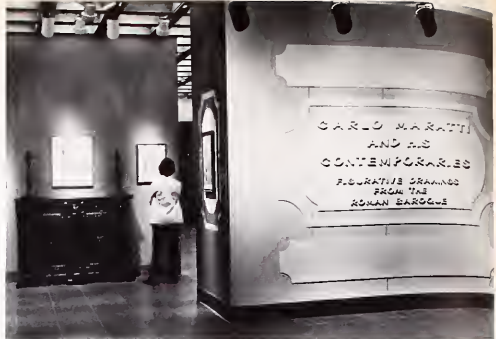
Mike Trbovich, vice president of the United Mine Workers of America, will speak on "The New UMW Contract," at a meeting of the Penn State Mining Engineering Society, Monday, February 10, at 7:30 p.m., in 26 Mineral Sciences Bldg. One of the earliest rank-and-file leaders in the battle to reform the UMWA, Trbovich served as national chairman for his friend and neighbor, Jack Yablonski, during Yablonski's 1969 campaign for the UMWA presidency.

Following the 1969 slaying of Yablonski, his wife, and daughter, Trbovich was chosen by his fellow miners to be national chairman of the newly formed Miners for Democracy. For the next three years, he traveled in the coal fields, organizing support for union reform and speaking out for mine safety.

In 1971, the Supreme Court allowed him to intervene on behalf of rank-and-file UMWA miners in a Labor Department challenge to the 1969 election in which Yablonski was defeated by UMWA president, W. A. "Tony" Boyle. Attorneys for Mr. Trbovich produced evidence of widespread irregularities in the election and, as a result, it was overturned and a new one ordered.

In May 1972, Mr. Trbovich was chosen as the running mate of Arnold Miller, candidate for UMWA president, and they waged a six-month campaign during which they visited more than 200 bathhouses to meet with miners. In December 1972, their slate won the election.

Since assuming office, Mr. Trbovich has personally directed a major revamping of the UMWA's Safety Division and spearheaded a new "get tough" union posture headed by his friend. His office has also taken principal responsibility for the union's first organizing drive in over 10 years and has coordinated union efforts to revive the anthracite coalfields in eastern Pennsylvania.



Drawings of the Italian Baroque are on display in Gallery C of the Museum of Art in a setting designed to suggest the feeling of the 17th and early 18th centuries. Furniture of the period is set against terra cotta and ochre walls in this exhibit of the works of Carlo Maratti and his contemporaries. The exhibit ends May 16, until March 16.

Baroque art on display in Museum

Master drawings from the late Roman Baroque focusing on the work of Carlo Maratti will be on display in Gallery C of the Museum of Art through Mar. 16.

During the exhibit, a program of Baroque music by Vivaldi and Corelli performed by Musica da Camera, conducted by Dr. D. Douglas Miller, will be featured at 3:00 p.m. Sunday, Feb. 16.

Maratti, born in Camerino in 1625, went to Rome as a young man to study with Andrea Sacchi and became one of the leading painters of the era.

During his long life, he undertook a number of important commissions for altarpieces in Italian churches. One of the most sought after portrait painters of the day, he is noted also for several ceiling frescoes for Roman palaces.

Drawings by Cortona, Guercino, Sacchi, and Mola, among others, are included in

the show of some 60 works, complemented in the gallery by furniture of the period which adds to the sense of the Roman Baroque the exhibit evokes.

Dr. Helmut Hag, professor and head of the art history department, and a noted Baroque scholar, is responsible for the concept of the exhibit. Two of his students, doctoral candidates Robert and Jean Westin, have selected the drawings, done principally in red chalk prevalent in that period, and have written the show catalog.

Pieces from the show are on loan from the Royal Collection of Windsor Castle, the Metropolitan Museum of Art, the Pierpont Morgan Library, the Philadelphia Museum of Art, the Cooper-Hewitt Museum, and the Janos Scholz Collection, with furniture from the Metro Galleries, N.Y., which specialize in Baroque and Renaissance furniture.

Funding Opportunities

For procedural and funding source information, call 865-1372.

February 6, 1975

(165-1) Seminars for physicians and other health professionals for the Summer and Fall of 1975 have been announced by the National Endowment for the Humanities (NEH). Five separate seminars will be held, limited to about 18 participants each at Ohio State, U. of Texas, U. of Pa., Georgetown U., and Indiana U. The seminars are tuition free with a \$1,200 stipend plus travel. Application dates range from May 19 to April 1, 1975. Information and applications are available from each location contact. This information has been distributed. (Ref. CAUJ Rep. 1/20/75).

(165-2) Scientific and technical manpower study contracts will be solicited by the National Science Foundation. Three study projects are anticipated: requirements in energy-related activities, 1970-1985; characteristics in energy-related shortage occupations; and projected balances between requirements for and supply of scientists, engineers, and technicians in the economy to 1980 and 1985. RFP 75-126 will be released by the NSF Contracts Office, Rm. 630, Attn: O. R. Mitchell, 1800 G Street, N.W., Washington, O. 20555 (Ref. CSD 1/17/75).

(165-3) The State of Education (OE) has issued proposed rules for Office of Education

Staff vacancy

University faculty or staff members who are interested in any of the staff exempt or staff non-exempt jobs listed below may apply by calling Employment Office, 865-1387 (Network Line 475-1387). Do not contact the area having the vacancy. Applications will be accepted by 5 p.m.

THURSDAY, FEBRUARY 13, 1975

FOOD SERVICE MANAGER

Hershey Medical Center

Responsible to the Director of Nutritional Care and Dietary Services for promulgating and executing the policies and procedures as they relate to the Food Service operation of the Milton S. Hershey Medical Center. Bachelor's degree or equivalent training, plus four to eight years Food Service experience.

The University is an Equal Opportunity Employer.

Vol. 4, No. 21 Feb. 6, 1975

Penn State INTERCOM is a weekly publication for the academic community of The Pennsylvania State University, published each Thursday when classes are in session. General information and items for the calendar should be sent to the editor by Thursday of the week preceding publication date, Room 312 Old Main. Editor: W. F. Ackerman Phone 865-7517

Programs including reference to purpose and state advisory council, state plan provisions, special experimental demonstration projects and leader training, federal financial participation, and payments for research. Written comments are requested by Feb. 20, 1975. For information, has been distributed. (Ref. 46F3381-48, 1/21/75).

(165-4) Post doctoral science and engineering fellowships to be based on the staff of a Congressional, Congressional Committee, or the Office of Technology Assessment are available from the American Association for the Advancement of Science. March 31 is the application deadline for the \$15,000 fellowships which carry a small travel allowance. Write to the Association, Attn: R. Scribner, Dept. A, 1776 Massachusetts Ave., N.W., Washington, O. 20036. (Ref. 75-3).

(165-5) Graduate students from Connecticut may apply for \$1000 scholarships offered by the state. Scholarship awards will be based on academic achievement and promise, plus financial need. Write to State of Connecticut Graduate Award Program, c/o Educational Testing Service Box 176, Princeton, N.J. 08540. (Ref. FO 75-3).

(165-6) International graduate students offered may apply for \$1000 scholarships offered by the state. Scholarship awards will be based on academic achievement and promise, plus financial need. Write to State of Connecticut Graduate Award Program, c/o Educational Testing Service Box 176, Princeton, N.J. 08540. (Ref. FO 75-3).

(165-7) International graduate students offered may apply for \$1000 scholarships offered by the state. Scholarship awards will be based on academic achievement and promise, plus financial need. Write to State of Connecticut Graduate Award Program, c/o Educational Testing Service Box 176, Princeton, N.J. 08540. (Ref. FO 75-3).

(165-8) Post doctoral fellowships are available for the study abroad. For further information write to address given above. (Ref. FO 75-3).

(165-9) National doctoral fellowships are available for the study abroad. For further information write to address given above. (Ref. FO 75-3).

REMINER AND OCEANOIDE DATES Feb. 15 for Summer Faculty Research program (Jan. 23 INTERCOM #163-1). Feb. 15 for NARADIS Summer Faculty Fellowships (Jan. 30 INTERCOM #164-2). March 1 (Nov. 20) for NATO Summer Fellowships (Jan. 30 INTERCOM #164-1). March 1 for NEA Summer Fellowships and Disposition Grants (Jan. 23 INTERCOM #163-1). March 1 for Barriers and Incentives on Solar and Geothermal Energy research (Jan. 23 INTERCOM #163-1). March 1 for NEA Summer Fellowships (Jan. 30 INTERCOM #164-1). March 21 for OE Energy Heritage Studies Program (Jan. 16 for NEA Summer Fellowships (Jan. 30 INTERCOM #163-1). April 1 for P.A. Residual Governmental Grants (1980) (Jan. 30 INTERCOM #163-1).

University Park Calendar

February 6-16, 1975

Special Events

Thursday, Feb. 6 — Sports: Women's basketball, vs. Bucknell, 7 p.m.

Thursday, Feb. 6 — Artists Series, Pittsburgh Symphony Orchestra, Verdi's "Requiem," 8:30 p.m., University Auditorium.

Friday, Feb. 7 — Folk and Square Dance ride-along, 7:30 p.m., White Bldg. south gym.

Friday, Feb. 7 — Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

Friday-Sunday, Feb. 7-9 — IFC Dance Marathon, beginning Friday 11 p.m., ending Sunday 11 p.m. Benefit Easter Seals Society.

Saturday, Feb. 8 — Artists Series, Pittsburgh Symphony Orchestra, Philip Deltra, piano soloist, and William Warfield, baritone, guests, 8:30 p.m., University Auditorium.

Saturday, Feb. 8 — Free-U jammy, 7:30 p.m., HUB ballroom.

Saturday, Feb. 8 — Sports: Men's basketball, vs. Navy, 2 p.m., Rec Hall. Men's gymnastics, vs. Temple, 8 p.m., Rec Hall. Men's fencing, vs. Newark, 2 p.m.

Sunday, Feb. 9 — Chapel Service, 11 a.m., Eisenhower Chapel. The Venerable Pandita D. Piyandana Mahathera, president, Buddhist Vihara Society, Inc., Washington, D.C.

Sunday, Feb. 9 — Phi Sigma Iota Initiation and banquet, 6 p.m., Fireside Room, Nittany Lion Inn.

Sunday, Feb. 9 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

Monday, Feb. 10 — Penn State Mining Society, 7:30 p.m., Room 26 Mineral Sciences. Mike Trivich, vice president of the United Mine Workers, Washington, D.C., on "The New UMW Contract."

Monday, Feb. 10 — Vickie Balson, violin recital, 8:30 p.m., Music Bldg. recital hall.

Monday, Feb. 10 — Chinese Student Association, Chinese New Year Banquet, 6:30 p.m., HUB ballroom.

Monday, Feb. 10 — "Two Cultures Dialogue," noon, Room 189 Materials Research Lab. Professor Henry Johnson, Education Policy Studies, on "Historical and Current Approaches to Assessing Teaching."

Tuesday, Feb. 11 — Sports: Women's basketball, vs. West Virginia, 7 p.m.

Wednesday, Feb. 12 — FSHA 410 German dinner, celebrating Fasching Carnival, 5:30 p.m., Maple Room. Reservations required.

Wednesday, Feb. 12 — University Theatre Student Preview, "Twelfth Night," 8 p.m., Playhouse Theatre.

Wednesday, Feb. 12 — Alard String Quartet, 8:30 p.m., Music Bldg. recital hall.

Wednesday, Feb. 12 — Artists Series Chapel film, "The Great Dictator," 8:30 p.m., University Auditorium.

Thursday, Feb. 13 — Sports: Women's basketball, vs. Loyola Haven, 4 p.m. Women's bowling, vs. Ithaca, 4 p.m. Women's gymnastics, vs. Ithaca, 5 p.m. Women's swimming, vs. Ithaca, 5 p.m.

Thursday-Saturday, Feb. 13-15 — University Theatre, "Twelfth Night," 8 p.m., Playhouse Theatre.

Friday, Feb. 14 — Artists Series, Marcel Marceau, 8:30 p.m., University Auditorium.

Friday, Feb. 14 — Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

Friday-Saturday, Feb. 14-15 — Alpha Phi Omega Pinocchio Marathon, 7 p.m. Friday to 7 p.m. Saturday, HUB card room.

Saturday, Feb. 15 — Sports: Men's basketball, vs. Army, 1 p.m., Rec Hall. Wrestling, vs. Lehigh, 3:30 p.m., Rec Hall. Men's and Women's gymnastics, 8 p.m., Rec Hall. Men's fencing, vs. Navy, 2 p.m. Women's fencing, vs. Madison and William Paterson, 9 a.m. Men's swimming, vs. Indiana, (Pa.), 3:30 p.m.

Sunday, Feb. 16 — Chapel Service, 11 a.m., Music Bldg. recital hall. Bishop Dean T. Stevenson, Episcopal Bishop of Central Pennsylvania, Harrisburg.

Sunday, Feb. 16 — Black Christian Fellowship worship service, 11 a.m., Cultural Center.

Lecture

Wednesday, Feb. 12 — Dr. Amos Perlmutter, professor of political science and sociology, American University, on "Middle East Negotiations," 8 p.m., HUB assembly room. The lecture is sponsored by the Committee on Middle East Studies and the Department of Political Science.

Meetings

Monday, Feb. 10 — USG Senate, 7:30 p.m., HUB assembly room.

Monday, Feb. 10 — OTIS, 6:30 p.m., Room 203 HUB.

Tuesday, Feb. 11 — Engineering Undergraduate Council, 7:30 p.m., Room 207 Sackett.

Tuesday, Feb. 11 — ARHS, 7:30 p.m., Room 203 HUB.

Tuesday, Feb. 11 — Central Pa. chapter, ACM, 8 p.m., Room 111 Boucke, Gordon Rawlins, senior assistant librarian, on the computer's impact on libraries.

Wednesday, Feb. 12 — Association for Women Students, 7 p.m., Room 203 HUB.

Seminars

Thursday, Feb. 6 — Biophysics, 4 p.m., Room 617 Life Science. Richard S. Margan on "Reciprocal-ribose Hydrogen Bonds Exist in Transfer-RNA."

Thursday, Feb. 6 — Physics, 3:35 p.m., Room 117 Osmond. Robert C. Dynes, Bell Telephone Laboratories, Murray Hill, on "Sound and Second Sound in Solids, Liquids and Gases."

Thursday, Feb. 6 — Statistics, 4 p.m., Room 68 Willard. Dr. Marcello Pagano, computer science, State University of New York at Buffalo, on "Factoring the Covariance Function of a Moving Average Process."

Thursday, Feb. 6 — Agronomy, 3:45 p.m., Room 301 Ag. Administration. Sharon Hornick on "Current Research Problems with Heavy Metals."

Thursday, Feb. 6 — Chemistry, 12:45 p.m., Room 333 Whitmore. Merle Battiste, University of Florida, on "Orbital Topology and Chemical Reactivity in Bridged Polycyclic Systems."

Thursday, Feb. 6 — Philosophy, 4 p.m., Room 167 Willard. Henry W. Johnstone on "Skepticism and Suicide."

Thursday, Feb. 6 — Aerospace Engineering, 4 p.m., Room 232 Hammond. Dr. Miroslav Nenodovic, Mechanical Engineering University of Belgrade, Yugoslavia, on "Stability Criteria of High Order Dynamic Systems."

Thursday, Feb. 6 — Meteorology, 3:55 p.m., Room 26 Mineral Sciences. Dr. Dennis W. Thomson on "Progress in Aard Meteorology."

Friday, Feb. 7 — Architecture, 7:30 p.m., Room 128 Sackett. Shirley Vernon, Drexel University, on "Architectural Design Management."

Monday, Feb. 10 — Genetics, 3:55 p.m., Room 111 Life Science. Dr. Paul Todd, biophysics, on "Photoreactivation in Vertebrates."

Tuesday, Feb. 11 — Water Pollution Control, 2:20 p.m., Room 124 Sackett. Ernest W. J. Diaper, Crane-Cochrane, King of Prussia, on "Ozone in Water and Wastewater Treatment."

Tuesday, Feb. 11 — Plant Pathology, 9:45 a.m., Room 213 Buckhout. Dick Stevenson on "Acquisition and Management of Environmental Data Associated with Plant Pathological Investigation."

Tuesday, Feb. 11 — Analytical Chemistry, 1 p.m., Room 333 Whitmore. Vicki A. Spindel on "Presence and Detection of Metals in Foods."

Tuesday, Feb. 11 — Chemical Engineering, 3:40 p.m., Room 140 Fenske. Thomas L. Henson, Silvana, on "Industrial Experimental Design."

Tuesday, Feb. 11 — Aerospace Engineering, 4 p.m., Room 232 Hammond. J. D. Keller, Chief, Acoustics Engineering, Pratt & Whitney Aircraft, East Hartford, Conn., on "The Application of Acoustic Technology to the Development of Pratt & Whitney Turbopump Engines."

Tuesday, Feb. 11 — Physiology, 3:55 p.m., Room 111 Life Science. Dr. G. Geselowitz, Bioengineering Program, on "Model Studies of the Electrocardiogram."

Wednesday, Feb. 12 — Ceramic Science, 11 a.m., Room 301 Mineral Industries. J. M. Leinaker, Oak Ridge National Lab., on "Applications of Basic Science to Nuclear Materials Problems."

Wednesday, Feb. 12 — Ecology, 3:55 p.m., Room 111 Life Science. Barry Zapfling on "Evolution of Catchable Trout Stocking in Marginal Reservoir Habitat (Stone Valley Lake)."

Thursday, Feb. 13 — Ceramic Science, 11 a.m., Room 301 Mineral Industries. J. M. Leinaker, Oak Ridge National Lab., on "Interaction between Nuclear Fuels and Their Container Materials."

Thursday, Feb. 13 — Agronomy, 3:45 p.m., Room 301 Ag. Administration. Jim Dragun on "The Substrate Copper Activities and Uptake by Corn Hybrids."

Thursday, Feb. 13 — Chemistry, 12:45 p.m., Room 333 Whitmore. J. Jonas, University of Illinois, on "Molecular Motions in Fluids at High Pressure."

Thursday, Feb. 13 — Physics, 3:35 p.m., Room 117 Osmond. Steven L. Goldman, philosophy, on "The Relation between Science and Magic in History."

Thursday, Feb. 13 — Biophysics, 4 p.m., Room 617 Life Science. Dr. Sue Wickner, National Cancer Institute, NIH, on "Conversion of $\phi\chi$ 174 Viral DNA to Double Stranded Form by Purified Protein."

Thursday, Feb. 13 — Engineering Acoustics, 4 p.m., Room 73 Willard. Ralph R. Goodman, Assoc. Dir. of Res. for Oceanology, Naval Research Lab., Washington, D.C., on "Seventy Year History of Underwater Acoustics."

Exhibits

Museum of Art — Paintings, Drawings, and Prints by Bruce Shobaken, Gallery A. Carlo Maratti and His Contemporaries, Drawings from the Roman Baroque, Gallery C. Selections from the Permanent Collection, Gallery B.

Zoller Gallery — Recent Prints and Drawings by Harold Altman, until Feb. 8. Cook and Porter Invitational Student Sculpture Exhibit, opening Feb. 10.

Chambers Gallery — Art Education Graduate Exhibition, all media.

HUB Gallery — "Vision of Peace in Painting," 42 children's paintings by Arab and Jewish children. Also, "Cloth and Clay" by Sherrice Lonker, ceramics, through Feb. 7.

Hammond Gallery — "First Doggish Exhibition," paintings, drawings and mixed media by art majors Sandy Kautz and Lola Popowicz, until Feb. 16.

Official

Wednesday, Feb. 12 — Last day for signing Winter Term NDSL, SEOG, BEO, and University Long Term Loans.



The Pittsburgh Symphony Orchestra, without its long-time conductor William Steinberg who recently announced he is retiring as musical director of the orchestra, will perform Verdi's "Requiem" today (8:30 p.m., University Auditorium) and a program of Mozart, Beethoven, and Aaron Copland works Saturday (same time, place). The Orchestra is in residence on the campus this week, working with students in solo and group activities.

Films

Friday-Sunday, Feb. 7-9 — Centre Cinema, "Butterflies Are Free," 7:30 and 10 p.m., Room 105 Forum.

Monday, Feb. 10 — Department of French film series, "Le Jour Se Lève," directed by Carné, 7 and 9 p.m., Room 112 Kern.

Monday-Tuesday, Feb. 10-11 — Simmons lounge film series, "The Three Stooges Go Around the World in a Daze," 7:30 and 9:30 p.m.

Wednesday, Feb. 12 — Commonsplace Theatre, "A Man for All Seasons," 7 and 9 p.m., Room 112 Kern.

Friday-Sunday, Feb. 14-16 — Centre Cinema, "Bob and Carol and Ted and Alice," 7:30 and 10 p.m., Room 105 Forum.

Friday-Sunday, Feb. 14-16 — Penn State Organization for Reform of Marijuana Laws and Free University, "Fillmore," 7:15 and 9:30 p.m., Room 121 Sparks.

WPSX highlights

Friday, Feb. 7 — Economist Milton Friedman will discuss "An Economic Perspective" at 8:30 p.m., on "Wall Street Week."

Sunday, Feb. 9 — T. D. Lyssenko's theories and their effects on the study of genetics in Russia are featured on "Nova" at 7:30 p.m.

Monday, Feb. 10 — William Faulkner's "Requiem for a Nun," the story of a young black woman who kills a little white girl, is performed on "Hollywood Television Theatre" at 8 p.m.

Tuesday, Feb. 11 — William Faulkner's "Requiem" is interviewed by newswoman Marilyn Baker at 8:30 p.m.

Wednesday, Feb. 12 — Karl Gohn conducts the Vienna Symphony Orchestra in a special performance of Mozart's "Requiem" at 9 p.m., with guest soloists Walter Berry, Gaudula Janowitz, Christe Ludwig, and Peter Schreier.

Thursday, Feb. 13 — On "The Japanese Film" program, the story of a family-run con game in post war Japan, titled "Boy," A 1969 film.

Science writing course in spring term

Science Writing, English (L.A.) 498, will be offered for the first time in the Spring Term, 1975. It will meet Tuesday evenings, 7:10-10, and will carry three credits.

The course is intended to prepare both scientist and writer to gather, interpret and assemble scientific information and present it with clarity, accuracy and excitement to the layman. Student writings will focus either on special fields of interest or on disciplines of distinguished university scientists who will hold in-class symposia.

The instructor will be Robert Gannon, author of four books and more than a hundred science articles appearing in such magazines as "Reader's Digest," "Science Digest" and "Saturday Evening Post." He is a consulting editor for "Popular Science."

Marathon run

A number of University staff members will be among the competitors in the Third Annual Nittany Valley Track Club Marathon Run, to be held Sunday, Feb. 16, beginning at 11 a.m. over a 26-mile, 385-yard course.

Entries, being accepted now, will close February 13; the race is open to everyone who supplies a statement that he has been examined and okayed by a doctor for the race and also supplies the \$3 entry fee. (Under 18, parent's consent must also be given.)

Additional information about entering the race may be obtained from Penn State track coach, Harry R. Groves, 247 Rec Hall.

In this race, prizes will be awarded to winner, second places, and third places in the open category, and in age groups of 30-39, 40-49, and 50 and over.

In the 1974 race, Dave Voltmer, a member of the local track club and assistant professor of electrical engineering, placed first in the sub-master's group and Wally Lester, assistant director of the Conference Center, was the winner in the Masters group.

Uranium survey

A geochemical survey of areas where uranium is known to occur in northeastern Pennsylvania has been started by a team of Penn State geochemists.

A major part of the study, which is supported by a \$35,110 grant from the Atomic Energy Commission, will be devoted to developing improved methods of analyzing for minute traces of uranium in water, down to one part per billion, reports Dr. M. L. Keith, professor of geochemistry and director of the Mineral Conservation Section in the College of Earth and Mineral Sciences.

Other principal investigators for the project are Dr. A. W. Rose, associate professor of geochemistry and assistant director of the section, and N. H. Suhr, associate professor of geochemistry and director of the College's Mineral Constitution Laboratories.

A number of small uranium deposits have been found in sedimentary rocks in a wide area of northeastern Pennsylvania, Dr. Keith says. Objective of this project is to sample and analyze surface materials, mainly stream sediments and water, to see whether there are systematic regional variations in the abundance of uranium, or of other trace metals such as copper, vanadium, and selenium, that are associated with the uranium deposits.

Rather than analyzing a large number of rock samples from all around the area to be surveyed, the team plans to concentrate initially on water and stream sediment analysis, which requires that far fewer samples be taken.

Analysis of rock samples will be made later, as specific uranium areas are outlined.

The preferred method of analyzing for traces of uranium in water involves detection of delayed neutrons that are emitted by uranium for a short time after it is activated in a nuclear reactor.

Tests are being carried out with the cooperation of the staff of the Breazeale Nuclear Reactor and a part of the AEC grant is for a pneumatic system to "shoot" samples in and out of the reactor at high speed to facilitate rapid and sensitive analysis.

Stream mud samples, collected at the same time as the water samples, will be analyzed for arsenic, selenium, vanadium, molybdenum, copper, zinc, lead, iron, manganese, and organic carbon as well as uranium, using the facilities of the Mineral Constitution Laboratories.

Foreign policy

The Capitol Campus is again cooperating with the Foreign Policy Association of Harrisburg to sponsor "Great Decisions 1975," a program of seminar type discussions by citizens in subjects related to American foreign policy.

The Great Decisions groups, usually 8 to 10 persons, meet once a week for eight weeks to consider topics such as the World Food Program, the Soviet Union Today, Our Changing World Economy, Controlling Nuclear Weapons, and the Oceans and the Seabed.

"Great Decisions" is a national program sponsored during February and March. After the eight discussions, representatives from different communities attend a "National Conference on Great Decisions" in Washington, D.C. and report on the views of their communities to government officials.

Russian major

A major program leading to a B.S. degree in Russian technical translation has been approved in the Department of Slavic Languages. Aimed at meeting the demand for translators of Russian technical materials, the major offers specialized skill in technical translation from the Russian language within the context of a liberal education. The program differs from the B.A. degree major in Russian, which places emphasis on the acquisition of the Russian language as a skill.

A performance option in the theatre arts major has been approved, designed to provide a higher level of performance training for students working toward a professional career in theatre. Entrance into the program will be determined by audition and evaluation by the Department of Theatre Arts after the student's fifth term. Areas of training include acting, dance, and directing.

New publication

The purpose of the new Penn State Media Newsletter is to encourage innovative teaching methods through the use of multi-media.

Written by the Instructional Services Specialists at the Commonwealth Campuses and various University Park staff such as those of the University Division of Instructional Services, Listening-Learning Services, Library, Electronic Services, Audio-Visual Services, etc., the Media Messenger is co-edited by Raymond R. Dimeo, Instructional Services Coordinator for Commonwealth Campuses, and Thomas C. Coleman, Instructional Services Specialist, Beaver Campus.

Faculty members at the Commonwealth Campuses interested in reading the Media Messenger can obtain a copy from their Instructional Services Specialist or Librarian. University Park faculty members can obtain copies from Raymond R. Dimeo, 120 Mitchell Instructional Services Building or call 814-865-1174.

HUB specials

Monday, Feb. 10 — Lunch, franks and kraut, \$1.03; dinner, Chinese steak and pepper stew, \$1.14.
Tuesday, Feb. 11 — Lunch, stuffed pepper, \$1.21; dinner, chicken and waffle, \$1.30.
Wednesday, Feb. 12 — Lunch, lasagne, \$1.27; dinner, roast turkey with dressing, \$1.62.
Thursday, Feb. 13 — Lunch, creamed dried beef on toast, \$1.06; dinner, veal paprika with noodles, \$1.30.
Friday, Feb. 14 — Lunch, seafood cakes, \$1.11; dinner, french fried clams, \$1.39.
Saturday, Feb. 15 — Lunch, chili con carne, \$0.89; dinner, spaghetti with meat balls, \$1.35.
Sunday, Feb. 16 — Dinner, barbecued chicken quarter, \$1.71; supper, cheese Salisbury, \$1.38.

In the realm of the arts

Symphony in residence has busy week

Some tickets remain for the concert by the Pittsburgh Symphony Orchestra Saturday, Feb. 8 at 7:30 p.m. in University Auditorium. The program will include Aaron Copland's "Lincoln Portrait," in which the distinguished bass-baritone, William Warfield, will be the narrator.

Donald Johanos will conduct the orchestra in this program, which will also feature University faculty member Philip Dettra in

during which student conductors will lead the Pittsburgh Symphony. In a later meeting, a committee of orchestra members will offer critiques of each student's direction of the group.

The activities with the Music Department are funded by a grant from the Office of Gifts and Endowments at the University. Although these activities are intended primarily to benefit students, the public is welcome to attend the Friday open rehearsal with students in University Auditorium.



Philip Dettra, soloist with Pittsburgh Symphony.

the Mozart "Piano Concerto No. 24." The concert will conclude with Charles Ives' "Symphony No. 2."

The tickets are on sale at the University Auditorium and at the HUB. No tickets are available for the performance today (Feb. 6) of Verdi's "Requiem," performed with the University Chorus.

Tickets are not available, either, for the appearance the following week, Feb. 14, of Marcel Marceau, the French pantomimist who has delighted audiences for years and draws capacity crowds wherever he goes.

A series of open rehearsals with student musicians and a chamber music concert are on the schedule of the Pittsburgh Symphony Orchestra in its residency at University Park this week.

Members of the Symphony will perform works by Milhaud, Respighi, Falla and Haydn at 8:30 p.m. tomorrow (Friday) in the Music Bldg. recital hall. Donald Johanos will conduct.

Orchestra members have been working with student musicians in a variety of ways this week; student soloists read with the orchestra yesterday and some 20 students performed in a variety of compositions in an afternoon session. Friday morning, the Symphony and the Penn State Symphony will perform works by Tchaikovsky and Mahler, with professionals and students working on a one-to-one basis.

Eleven orchestral works are to be performed in the Friday afternoon rehearsal

Representative works by the three most significant composers for string quartet will be performed in concert by the Alard String Quartet at 8:30 p.m. Wednesday, Feb. 12, in the Music Bldg. recital hall. Haydn's "Quartet," opus 74 #3 in G. Minor, has been called the Horseman Quartet because of significant rhythms in the first and last movements. Also planned are "Quartet #5" by Bartok and Beethoven's "Quartet in F Major," opus 59 #1. The Alard String Quartet is composed of Joanne Zagat and Donald Hopkins, violin, Raymond Page, viola, and Leonard Feldman, cello, all associate professors of music.

An exhibition of student work in sculpture is planned to show the variation of student efforts and their accomplishments from Feb. 11 to 28 in Zoller Gallery, Visual Arts Bldg. The Cook/Porter Invitational Student Sculpture Show will display sculptures by undergraduate and graduate art students in a large variety of media such as wood, welded steel, stone carving, plaster, relief, ceramic, and others, varying in size from small to very large. Among the submitted works will be John Cook, Stephen Porter, James Stephenson, Ronald Gallas, and David DonTigny, all of the faculty of the Department of Art.

Vicki Balson, a candidate for the bachelor of fine arts degree in music in March, will perform a violin recital at 8:30 p.m. Monday, Feb. 10, in the Music Bldg. recital hall. She is active in the PSU Symphony Orchestra and Musica da Camera, University chamber orchestra, and has performed past recitals at the University. She will play sonatas by Bach, Prokofiev, and Schumann and Vivaldi's "Suite in A Major." Accompanying will be Jill Olson, piano.

Two Mozart works, "Serenade #11" for woodwind quintet and "Bastien and Bastienne," a one-act opera, will be performed by music students under the direction of Gregory Donovetsky, instructor, at 8:30 p.m. Sunday, Feb. 16, in the Music Bldg. recital hall. Graduate student Shirley Foster Donovan, Vincent Nola, and Walter Wells and a small chamber orchestra will present the opera, written by Mozart at a very early age and first performed in Vienna in 1768.



Plaques for Agriculture

Dr. James M. Gault, center, dean of the College of Agriculture, and Dr. Thomas B. King, left, assistant dean for extension, on behalf of the College, accept National Farm-City Week Council plaque during a recent treaty meeting in recognition of contributions of the College and Extension Service to better understandings between farm and urban people. Assistant Extension Director Leland H. Gull, right, member of the State Farm-City Week Council, who presented the award, pointed out that the College has been involved in Farm-City Week activities during the past 19 years.

PENN STATE intercom

Volume 4, Number 22

February 13, 1975

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

News in brief

SHAKESPEARE'S "TWELFTH NIGHT"

Probably Shakespeare's most popular comedy of misplaced love, mistaken identity, and puritanism, "Twelfth Night," opens today in the Playhouse Theatre and will play Feb. 13, 14, 15 and 18 through 22.

The University Theatre production, directed by Knox Fowler, professor of theatre, follows the exploits of Viola (Ann Biegel) in pursuit of the Duke Orsino (Paul Craggs). Orsino, meanwhile, quests for the Countess Olivia (Heleena Ruoti), who completes the circle by falling in love with Viola, disguised as a man to be near Orsino.

Other major roles are performed by Paul Farin, as Olivia's steward, and Marc Field, Viola's brother. Choreography is by Suzanne Foster, scenic design by Anne Gibson, costume design by Herman George, and lighting by Donald Toto.

Nightly curtains are at 8:00; the box office is open daily.

WRESTLING TICKETS

The Eastern Independent N.C.A.A. wrestling tournament at University Park Feb. 28-March 1 will find entries from 38 colleges and universities competing for berths in the N.C.A.A. finals March 13-15.

Tickets for the tournament here are being sold now, and may be obtained at the ticket office in Room 237 Rec Hall. Series tickets, good for all four sessions, are \$6 each. Individual session tickets are \$1 for Friday afternoon; \$2 each for Friday

evening and Saturday afternoon; and \$3 for Saturday evening finals.

Qualifying for the NCAA finals, to be held at Princeton University, will be top three finishers in each weight class and five other selections.

PHI BETA KAPPA

Lambda chapter of Phi Beta Kappa honorary elected officers for the year recently: Dr. Daniel Walden, associate professor of American studies, as president; Dr. Doris M. Seward, executive assistant to the president, as secretary; Dr. Barton W. Browning, assistant professor of German, as treasurer; an executive committee of Dr. Jean W. MacCloskey, associate professor of biology, Dr. William R. Schmaling, head of Slavic languages, and Thomas C. Pierson, graduate assistant in history. Historian Dr. Ira Brown, professor of American history.

DANCER FEATURED

Raymond Johnson, a professional dancer who has toured with the Murray Louis and Alvin Nikolais companies and who recently founded his own dance company, will be featured in a performing arts program Feb. 17-21 at Capitol Campus. He will not only give theatre dance presentations but also conduct modern dance classes, give a program for children, and hold daily seminars. All the programs are free and open to the public.

BLUE BAND CONCERT

Special arrangements are being made in the State Capitol for a performance April 8 by the Penn State Blue Band. The concert, which Blue Band director Dr. James

Dunlop schedules annually, has drawn good crowds as part of the Wednesday Rotunda Concert Series, but this year the Band will perform in the Forum of the Education Bldg., the largest auditorium available. To accommodate the Band, an extension to the stage is planned. The change is being made for a very practical reason — the Blue Band has too much power for the Rotunda and to hold it outdoors is to gamble on the vagaries of the weather. But the show will go on.

KIDDIES KARNIVAL

An International Carnival for Kiddies, 4-12, is planned by the Volunteer Service Center for Sunday, Feb. 16, from 12:30 to 4 p.m. in the HUB ballroom.

All children of the area are invited to the party at which children of international students and faculty at University Park will introduce some of their games to American children and, in general, reveal some of their culture. A special invitation has been extended to some of the area's underprivileged children also.

The VSC views the carnival as a way of helping children of contrasting cultures to get acquainted through fun and games.

LIBRARY DISPLAY

Because of the importance of an informed consumer in today's marketplace, the Undergraduate Library in 106 West Pattee has prepared an attractive display featuring consumer information in many areas. Hundreds of pamphlets and brochures have been acquired from the state

(Continued on page two)

West article in JGE winter issue

Among the contributions to the Winter issue of the Journal of General Education published by the University Press and edited by Drs. Caroline D. and Robert B. Eckhardt is an article by Paul West, professor of English and comparative literature. The article is titled "The Lightning-Rod Man: The Migraine Headache As Heuristic Tool."

The issue also contains book reviews by William Empson, visiting professor of English and Fellow in the Institute for the Arts and Humanistic Studies, and Dr. Deborah Austin, professor of English. Jack McManis, assistant professor of English, contributes a poem, "Swan Interlude."

Anya Derrick, senior assistant librarian at Pattee Library, has written an article on "Alexander Solzhenitsyn: Pilgrim in Life and Literature."

Among the other contributions are articles by Ernest B. Gilman, on "Marvell and Velasquez in Perspective" and Kalyan K. Chatterjee's "The Renaissance Analogy and English Education in Nineteenth-Century India."

Copies of this issue of JGE may be obtained at the University Press office in Room 215 Wagner Bldg. Subscriptions, which are available to Penn State faculty members, may also be obtained through the University Press.

Smoking in class is Council topic

University Council last week continued discussion of the matter of smoking in the classroom.

The matter was first discussed at the Dec. 19 meeting, having been referred to the Council by President Oswald, who suggested there may be a need for University-wide regulations on smoking "To protect those individuals who do not smoke and who understandably object when in an environment which is polluted by smoke."

To study the problem, Dr. Russell E. Larson, Council chairman, appointed a subcommittee comprised of Dr. Walter H. Walters, Dr. Helen A. Guthrie, and Kevin N. Wright, a graduate student, recently appointed to the Council to succeed Kenneth M. Novak. He attended his first meeting of the Council on Thursday.

Dr. Larson said he also would name an undergraduate student to the Committee, explaining that undergraduates to be considered for appointment had now been nominated and that the appointments are expected to be made in the near future.

Council members expressed concern about reported faculty practices that are directly related to quality of instruction the student receives. They plan to discuss the matter at greater length at the next meeting, scheduled for Feb. 20.

Stabb on Borges

St. Martin's Press, New York, has selected for publication in paperback form the study of Jorge Luis Borges by Dr. Martin S. Stabb, professor of Spanish and head of the Spanish, Italian and Portuguese department. The study was published in hardback in the company's Twayne World Authors Series. Borges is the Argentine poet, essayist and short-story writer.

AAUP presents subject for consideration at March meeting

Senate asked to endorse mailing guidelines

The University Faculty Senate has been asked to endorse guidelines suggested for the use of the University mailing system.

A motion urging the endorsement was made at the Feb. 4 Senate meeting by William Rabinowitz in behalf of the American Association of University Professors.

Under Senate rules, action cannot be taken on the motion until the March meeting.

The AAUP last March filed a complaint with the Pennsylvania Labor Relations Board over the refusal to allow the organization to distribute information through the University's mailing system.

The PLRB dismissed the complaint and its action was upheld by the Centre County Common Pleas Court. That decision was then appealed to the Commonwealth Court

but the appeal has since been withdrawn.

The proposed guidelines note that "all members of the University community (including administrators and faculty members) with an interest in collective bargaining have a right to use the University mailing system to communicate their views to other members of the University community."

"It is inherently unfair for any individuals or groups to use the UMS to advance their views while, at the same time, denying others the opportunity to do likewise."

Pointing out that the University provost and president have used the mailing system to oppose collective bargaining, Rabinowitz said refusal to allow the AAUP to use the system is an abridgement of the faculty's right to know.

Clarification of Buckley Amendment Policy

January 28, 1975

To: The Pennsylvania State University Community
Re: Buckley Amendment Clarification

Your attention is directed to Item VII B of the Interim University Policy on Confidentiality of Student Records issued on January 3, 1975.

The second sentence of that item reads as follows: "Such disclosures will be made to a third party only on the condition that written notarized consent is obtained from the student"

Written notarized consent is required only in the instance when the student cannot appear in person to initiate such a request. A letter requesting the release of information, for example, would require notarization. In this regard, telephone requests should not be honored.

In the final policy statement to be issued later this year, an appropriate correction will be made. In the interim, this clarification is offered.

JOHN W. OSWALD
President

Nominations asked for library award

March 1 is the deadline for nominations for the Award for Outstanding Contribution to Pennsylvania State University Libraries. The award, consisting of a cash stipend and a Nittany Lion statue, is presented annually to a University Libraries staff member, a benefactor of the University Libraries, or a member of the University teaching faculty, administrative or research staff. Nominations may be obtained from the Personnel Librarian, Room E505 Pattee Library, telephone 865-0401. Guidelines to be followed in making the selections are:

- Has made a "professional contribution which has a significant influence on the operations of the Pennsylvania State University Libraries."
- Has made a "significant professional contribution which earns the recognition of the University community for the Pennsylvania State University Libraries."
- Has made a "significant contribution to the profession which reflects achievement in a leadership role at the Pennsylvania State University."
- Has shown "excellence of service to the Pennsylvania State University Libraries as evidenced by continuous leadership and innovation."

Nutrition lab assistant wanted

The College of Human Development is seeking someone to fill a position as laboratory assistant in the nutrition program, and describes the position and qualifications for it as follows:

Laboratory Assistant, Nutrition Program, College of Human Development, B.S. in Biochemistry or related science. Assist with on-going laboratory projects in nutritional biochemistry. Duties include care of animals on experiment, vitamin and mineral analysis, use of spectrophotometry, fluorimetry liquid scintillation counting and other laboratory methodology. Apply to Barbara A. Underwood, 118 Human Development.

State soil survey is progressing

University soil technologists have mapped the soil characteristics of more than 87 per cent of the State — 45 of Pennsylvania's 67 counties — in a project that has been underway since 1957.

The major thrust of the project is to characterize soils to be found in the State in terms of location, description, and physical, chemical and mineralogical analyses.

Interpretations are then drawn as to the suitability of the soil for different land uses.

The project, directed by Dr. R. P. Mateski, professor of soil genesis and morphology, is a joint effort of the Pennsylvania Department of Environmental Resources and the U.S. Department of Agriculture.

The state Department of Environmental Resources recently awarded a grant of \$123,250 for the continuation of the project.

Initial soil mapping of the entire State is expected to be completed by 1980. Work has already begun, however, on updating results and remapping areas covered in earlier surveys.

According to Dr. Mateski, the survey is now used primarily by urban and suburban developers as it is especially suited for engineering uses.

An example of a planning problem that might have been averted is the drop in the water table in the King of Prussia area, he said.

Funding Opportunities

For procedural and funding source information, call 865-1372.

February 13, 1975

(166-1) Technology dissemination projects include: Pennsylvania State University, "Individual entrepreneurs, and health organizations are being solicited by PENPAT (Pennsylvania Technical Assistance Program). Projects to describe methods of the Pennsylvania State University to achieve social or economic benefits. Up to one-half of the approved project total cost will be funded for a twelve-month period from July 1, 1975 and June 30, 1976. The proposal deadline is April 15, 1975. A proposal outline and other information is available from the office of G. A. Speerly, 505 Keller Bldg. (81-865-0453) (Ref. F&F memo 1/31/75)

(166-2) Applied research on environmental effects of energy development from geothermal resource will be supported by the National Science Foundation. Research areas include: water quality, air quality biological impact, physical effects, socio-economic impact, and environmental impact research. NANN guidelines for unsolicited proposals are to be used. For current year funding, proposals should be submitted before the end of March 1975 (Ref. CBO, 1/22/75)

(166-3) Loans and grants to improve the economic or environmental status of rural communities, and establish or enhance business and industry are available to individuals and public and

private organizations through the Secretary of Agriculture. Factors considered include: area, employment, and competitive ability. (Ref. 40PR 4393-59, 1/29/75)

(166-4) The Office of Education (OE) announces March 7, 1975 as the deadline for institutional grants for personnel fellowships, institutes, and short-term training programs. Funding criteria for these programs have also been announced. Information 1/29/75 (Ref. 40PR 4328-27, 1/29/75)

(166-5) A NASA Research and Technology Operating Plan Summary for FY 1975 may be reviewed and/or signed out at the office of Paul Ebaugh, ASAC, College of Engineering, Room 105 Hammond. The 185 page document gives a summary of NASA research projects and NASA's research interests. The document is appropriately indexed and provides contact information for the NASA monitor for each program area. (Ref. PE memo, 1/29/75)

(166-6) NSF's Faculty Research Participation (FRP) program provides research opportunities during summer 1975 at industrial and government laboratories. Projects are open to faculty with at least five years of full-time college teaching who hold an advanced degree in a scientific discipline. Most projects last ten weeks and cover a wide range of subjects including energy conversion research, vehicle propulsion, energy effects on man and environment, soil mechanics, and medical diagnosis. Sixty-six projects are supported, and information and application forms may be obtained by writing to the director for a directory of projects contact, Faculty Research Participation Program, Div of Higher Education in Science, NSF, Washington, D.C. 20550 (122-827-7760) (Ref. JG 1 INTERCOM 2140-2 and NSF News 1/29/75)

(166-7) The National Endowment for the Humanities (NEH) has a March 15, 1975 deadline for Education Program Grants. Contact: Ekan, 205-283-5911. Three NEH programs are available: April 1, 1975 deadline date, Education Planning Grants (Mr. Harold Cannon, 202-882-8085); Youth Grants in the Humanities (Mr. Nancy Moses, 202-882-8301); and Fellowships for the Professions (Journalists (Dr. James H. Blassing, 202-883-3771). And

Retirement

Fred J. Ball, a member of the University staff since 1940, has retired as adviser in the Division of Undergraduate Studies. Except for the years 1942-46, when he was a psychological researcher and consultant with the U.S. Army Air Force, he was associated with Penn State from his undergraduate days. He holds both bachelor of science and master of science degrees in psychology from the University. He first joined the staff in 1940 as a personnel research assistant, a position he held until he entered the armed services in 1942. From 1946 until his retirement last month, he served successively as assistant in testing and counseling in General Extension (1946-1952), assistant to the director of the Division of Counseling (1957-1972), counselor in the Career Development and Placement Center (1972-1973), and finally the position from which he retired.

Honors

Dr. Theodore R. Vallance, professor of human development and associate dean for research and graduate study of the College of Human Development, has been selected as a Senior Fulbright-Hays Scholar for this year and will spend the Spring Term in Europe. He will engage in independent research in social indicators and social structure in association with UNESCO and the National Center for Scientific Research, based in France. He will lecture at the University of Edinburgh and visit the Science Policy Group at the University of Sussex. He also plans to visit the Research Institute for Social Development in Geneva and the International Institute for Applied Systems Analysis in Vienna.

Behavior talk

Dr. Erving Goltman, professor of anthropology and sociology at the University of Pennsylvania, will speak on "Gender Commercialism: Stereotype of Feminine Behavior Types in Advertising" at the meeting of Alpha Kappa Delta Tuesday, Feb. 18, at 7 p.m. in Room 105 Forum. The sociology honorary society is co-sponsoring the visit by Dr. Goltman with the College of Liberal Arts, Department of Sociology, Rural Sociology, Man and Environment Relations, Individual and Family Studies, and Community Development. A member of the Penn faculty since 1968, Dr. Goltman is a graduate of the University of Illinois and received advanced degrees from the University of Chicago. He is the author of such books as "Strategic Interaction" and "Behavior in Public Places."

April 17, 1975 is the deadline for Museum and Historical Societies Program, Interpretive Exhibition Grants and Community Education Grants (Ref. K000-205-283-5714). The Program Development Special Projects (Mr. Stephen Goodell, 202-882-8333). (Ref. OPJ deadline dates)

(166-10) A list of leadership specialist projects to provide information to school decision makers about new materials and to develop leadership expertise in implementing new materials has been issued in directory form by the National Science Foundation's pre-college instructional improvement program. Projects are categorized as: school system projects, teacher projects, or leadership specialist projects. A copy of the directory is available in 5 Old Main or may be ordered from NSF (202-633-7295) (Ref. NSF ETS-24)

(166-12) Biographical data of foreign scholars available for appointments in U.S. Universities and Colleges under the International Exchange of Scholars (CIES), 2101 Constitution Ave., Washington, D.C. 20418 (202-389-6647). Twenty fields are listed in the announcement. (Ref. CIES Announcement 1/27/75)

(166-13) Graduate Candidates are needed for new openings in Fulbright-Hays appointments available for 1975-76. Ten fields, research awards, and lectureships are open. Details are on file and may be obtained from the International Exchange of Scholars (CIES), 2101 Constitution Ave., Washington, D.C. 20418 (202-389-6627) July 1, 1975 is the deadline for applying for 1977 awards. The same contact will also provide registration forms for that later period. (Ref. CIES Announcement 1/27/75)

REMINER AND DEADLINE DATES

March 1, (Nex. 202) for NATO Senior Fellowships (Jan. 10 INTERCOM 2140-5). March 1 for Manpower Research and Observation grants (Jan. 23 INTERCOM 2163-1). March 13 for Barnes and Noble Foundation grants (Jan. 23 INTERCOM 2163-1). March 17 for NEA Internship Program (Jan. 23 INTERCOM 2163-1). March 21 for EOE Ethnic Heritage Studies (Jan. 16 INTERCOM 162-1). March 21 for Pa. Resident Graduate Grants (Tuition) (Jan. 9 INTERCOM 2161-7).

NEWS — (Continued from page one)

and federal governments concerning product evaluation, consumer protection, health and safety, and consumer education. Many informative brochures are free to the public. The consumer information display will continue through the Winter Term.

DINNER-THREATH

An Italian Buffet Dinner (ravioli, spaghetti and other delicacies) coupled with two one-act plays together called "The Last Sweet Days of Isaac" will be the fare for "The Uncommon Dinner Theatre" Saturday and Sunday, Feb. 15-16 at Kern Grad Hall.

Graduate students in theatre arts will be featured in the rock musical show and the P.S.U. Hotel and Restaurant Society will provide the dinner in this unusual combination of events being staged by Kern Graduate Commons.

Dinner service is at 6:30 p.m. in Room 102 Kern Bldg. If it is not too late to purchase tickets at the HUB or Kern Information desks, they are priced at \$5.50.

The plays will star Jerry James (in both "The Uncommon Dinner Theatre" and "Play") and Bobbi Burger (in "I Want to Walk to San Francisco"). Musical portions are provided by a trio of singers and an instrumental quartet of piano, bass, guitar and drums.

COOKBOOK ORDERS

Interest in the cookbook described in last week's INTERCOM indicates that perhaps housewives at all campuses (and in dorms) are looking for a new book. "Just What the Doctor Ordered," which the wives of residents at the Hershey Medical Center are publishing. If you wish to order, send \$4 (no tax) to Mrs. Carolyn Gehl, 75 Sylvania Rd., Hershey, Pa., 17033. The book will be delivered in March. Profits from the sale of the cookbooks goes to the Hospital's Gifts and Endowments fund.

WPSX highlights

Sunday, Feb. 16 — "The Fortunes of Nigel," a Walter Scott tale, begins a five-part series of "Five O'Clock Theatre," at 6 p.m. Series Saturdays also at 10 p.m., beginning Feb. 22.

Sunday, Feb. 16 — An hour-long documentary on the Tusque, nomads of the Sahara, on "View" at 7:30 p.m.

Monday, Feb. 17 — A jazz concert by the big band of Thelma-Mot Lewis, recorded at the Top of Plaza Restaurant, New York. At 8 p.m.

Tuesday, Feb. 18 — "Music in Pennsylvania" at 8:30 p.m. A special double bill of "The Sound of Music," with accompaniment by Steven Smith and Chastee Olsen, also members of the faculty.

Wednesday, Feb. 19 — Robert Penn Warren's "Blood of the Prophets," at 8:30 p.m. "The American," performed by the Trinity Square Repertory Company of Providence.

Thursday, Feb. 20 — At 6:30 p.m., a half-hour look at the White House Press Corps, on the program "Gerald Ford's America."

Thursday, Feb. 20 — "Night Nurse" is the Japanese film of the week, at 9 p.m. A 1958 classic, "Night Nurse," starring Bette Midler and Sami Samir, who discovers his wife has been unfaithful.

HUB specials

Monday, Feb. 17 — Lunch, American chop buffet, \$9.75; dinner, scalloped chicken and noodles, \$9.95. Tuesday, Feb. 18 — Lunch, hot sausage, \$9.95; dinner, spaghetti and meatballs, \$10. Wednesday, Feb. 19 — Lunch, wild rabbit, \$9.95; dinner, Spanish meatloaf, \$10.40. Thursday, Feb. 20 — Lunch, la mazzoni, \$9.95; dinner, spaghetti and meatballs, \$10.40. Friday, Feb. 21 — Lunch, seabeurger, \$11.50; dinner, french fried beef, \$11.95. Saturday, Feb. 22 — Lunch, chili con carne, \$9.95; dinner, spaghetti and meatballs, \$12. Sunday, Feb. 23 — Dinner, chopped steak, \$9.95; supper, lasagne, \$12.75.

Staff vacancy

University faculty or staff members who are interested in any of the staff exempt or staff non-exempt jobs listed below may apply by mail to the Human Resources Department, Room 105-1387. Do not contact the area having the vacancy. Applications will be accepted until 5 p.m.

THURSDAY, FEBRUARY 20, 1975

ADMINISTRATIVE ASSISTANT — Hershey Medical Center

Responsible to the Chairman of the Department of Surgery for budgetary and administrative functions of the department including budgetary responsibilities, personnel administration, purchasing, departmental operational policies, and liaison with other departments and outside organizations. Bachelor's degree or equivalent in Business Administration plus one to two years directly related administrative experience.

The University is an Equal Opportunity Employer

Vol 4, No. 22 Feb. 13, 1975
Penn State INTERCOM is a weekly publication for the academic community of the Pennsylvania State University, published each Thursday when classes are in session. General information and items of interest should be sent to the editor by Thursday of the week preceding publication date, Room 312 Old Main.
Editor: W. F. Ackerman Phone 865-7317

University Park Calendar

February 13-23, 1975

Items to be included in this calendar should be sent to the editor, Room 312 Old Main, by Thursday of the week preceding publication.

Special Events

Thursday, Feb. 13 — Sports: Women's basketball, vs. Lock Haven, 4 p.m. Women's bowling, vs. Ithaca, 4 p.m. Women's gymnastics, vs. Ithaca, 5 p.m. Women's swimming, vs. Ithaca, 5 p.m.

Thursday, Feb. 13-15 — University Theatre, "Twelfth Night," 8 p.m., Playhouse Theatre.

Friday, Feb. 14 — Artists Series, Marcel Marceau, 8:30 p.m., University Auditorium.

Friday, Feb. 14 — Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

Friday-Saturday, Feb. 14-15 — Alpha Phi Omega Pinchot Marathon, 7 p.m. Friday to 7 p.m. Saturday, HUB card room.

Saturday, Feb. 15 — Sports: Men's basketball, vs. Army, 1 p.m., Rec Hall, wrestling, vs. Lehigh, 3:30 p.m., Rec Hall. Men's and Women's gymnastics, 8 p.m., Rec Hall. Men's fencing, vs. Navy, 2 p.m. Women's fencing, vs. Madison and William Paterson, 9 a.m. Men's swimming, vs. Indiana (Pa.), 3:30 p.m.

Saturday, Feb. 15 — Musica da Camera, baroque music, 3 p.m., Gallery C, Museum of Art.

Sunday, Feb. 16 — Student concert of Mozart's music, including opera "Bastien and Bastienne," 8:30 p.m., Music 809a recital hall.

Sunday, Feb. 16 — Volunteer Service Center, International Kiddies' Carnival, 12:30-4 p.m., HUB ballroom.

Sunday, Feb. 16 — Chapel Service, 11 a.m., Music Bldg. recital hall. Bishop Dean T. Stevenson, Episcopal Bishop of Central Pennsylvania, Harrisburg.

Seminars

Thursday, Feb. 13 — Meteorology, 3:55 p.m., Room 26 Mineral Sciences. Peter Black on "Interesting Mesoscale Circulation Features Observed from the Skylab Space Station."

Thursday, Feb. 13 — Ceramic Science, 11 a.m., Room 301 Mineral Industries. J. M. Leitner, Oak Ridge National Lab., on "Interaction between Nuclear Fuels and their Container Materials."

Thursday, Feb. 13 — Agronomy, 3:45 p.m., Room 301 Ag. Administration, Jim Drayton on "The Substrate Copper Activities and Uptake by Corn Hybrids."

Thursday, Feb. 13 — Chemistry, 12:45 p.m., Room 333 Whitmore, J. Jonas, University of Illinois, on "Molecular Motions in Fluids at High Pressure."

Thursday, Feb. 13 — Physics, 3:35 p.m., Room 117 Osmond, Steven L. Goldman, philosophy, on "The Relation between Science and Magic in History."

Thursday, Feb. 13 — Biophysics, 4 p.m., Room 617 Science, Dr. Sue Wickner, National Cancer Institute, NIH, on "Conversion of α 174 Viral DNA to Double Stranded Form by Purified Protein."

Thursday, Feb. 13 — Engineering Acoustics, 4 p.m., Room 73 Willard, Ralph R. Goodman, Assoc. Dir. of Res. for Oceanology, Naval Research Lab., Washington, D.C., on "Seventy Year History of Underwater Acoustics."

Thursday, Feb. 13 — Statistics, 4 p.m., Room 69 Willard, Dr. Brian L. Joiner, University of Wisconsin, on "Designing Experiments When Time Order Is Important."

Monday, Feb. 17 — Remote Sensing, 4 p.m., Room 301 Electrical Engineering, West, Thomas W. Simpson, agronomy, on "The Application of Multispectral Scanner Data to Forest Soil Mapping."

Tuesday, Feb. 18 — Analytical Chemistry, 1 p.m., Room 333 Whitmore, Jacob J. Vochaychak, Jr. on "Determination of the Standard Electrode Potential of Manganese Dioxide as a Function of Temperature and pH."

Tuesday, Feb. 18 — Geosciences, 4 p.m., Room 26 Mineral Sciences, Peter D. Stiller, astronomy, on "Current Research in Quasar Stellar Sources (Quasars)."

Tuesday, Feb. 18 — Physiology, 3:55 p.m., Room 111 Life Science, Dr. J. Brighton, mechanical engineering, on "Development of Artificial Hearts."

Tuesday, Feb. 18 — Chemical Engineering, 3:40 p.m., Room 140 Fenske, Dr. Frederick W. Lampe, on "Chemical Reactions of Ions in Mass Spectrometers."

Tuesday, Feb. 18 — Water Pollution Control, 2:20 p.m., Room 124 Sackett, Dan Sweeney, EPA, Regional Office, Philadelphia, on "Effluent Guidelines and the National Pollution Discharge Elimination System."

Sunday, Feb. 16 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

Monday, Feb. 17 — Julia Hull piano recital, 8:30 p.m., Music Bldg. recital hall.

Monday, Feb. 17 — Sports: Men's basketball, vs. Colgate, 8 p.m., Rec Hall.

Tuesday, Feb. 18 — Gallery Talk, "Carlo Fontana and the Jesuit Sanctuary at Loyola," Dr. Helmut Hager, 10:30 a.m., Museum of Art.

Tuesday, Feb. 18 — Sports: Women's bowling, vs. Maryland, 3:30 p.m. Women's swimming, vs. Maryland, 4 p.m.

Tuesday-Saturday, Feb. 18-22 — University Theatre, "Twelfth Night," 8 p.m., Playhouse Theatre.

Wednesday, Feb. 19 — Penn State Brass Chorale, 8:30 p.m., Music Bldg. recital hall.

Wednesday, Feb. 19 — "Noondays" devotional series, 12 noon-12:30 p.m., sponsored by United Ministries. Leader, Rev. Donald Davis.

Wednesday, Feb. 19 — Sports: Men's fencing, vs. Lafayette, 3:30 p.m.

Wednesday, Feb. 19 — Entry forms due for GSA Table Tennis Tourney, 5 p.m., Kern Information desk.

Wednesday, Feb. 19 — Program on pet overpopulation and pet care sponsored by Free U and Speech 250. Speaker, Dr. William C. Gussano, veterinary science; Tim "Petthood vs. Parenthood" Open to public.

Thursday, Feb. 20 — Artists Series films, Paul Robeson, "Emperor Jones," 8:30 p.m., Schwab.

Thursday, Feb. 20 — Sports: Women's basketball, vs. Millersville, 3 p.m.

Tuesday, Feb. 18 — Plant Pathology, 9:45 a.m., Room 213 Buckhout, Betsy Scarborough, M.S. Thesis research.

Tuesday, Feb. 18 — Solid State Physics, 1 p.m., Room 339 David, Dr. Milton W. Cole, physics, on "The Potential of Physical Adsorption."

Tuesday, Feb. 18 — Philosophy, 4 p.m., Room 167 Willard, Joseph Flay on "Toward a Philosophical Defense of Religion."

Tuesday, Feb. 18 — Ecology, 4 p.m., Room 101 Althouse Lab, Robert T. Paine, University of Washington, on "Ecological Studies on Dynamic Spatial Heterogeneity in Rocky Interficial."

Wednesday, Feb. 19 — Ceramic Science, 11 a.m., Room 301 Mineral Industries. T. B. Lindemer, Oak Ridge National Lab., on "Coated Particle Nuclear Fuel Behavior in an Irradiation Environment."

Wednesday, Feb. 19 — Fuel Science, 4 p.m., Room 301 Mineral Industries. Dr. Peter Given on "Liquefaction of Coal."

Wednesday, Feb. 19 — Ecology, 3:55 p.m., Room 111 Life Science, Thomas Hoff on "Comparative Response to Artificial Overhead Cover Among Various Strains of Domestic Brook Trout."

Thursday, Feb. 20 — Physics, 3:35 p.m., Room 117 Osmond, J. W. Negele, M.I.T., on "The Equation of State of Neutron Star Matter."

Thursday, Feb. 20 — Plant Pathology, 8 p.m., Room 213 Buckhout, Dr. Lawrence B. Hendry, chemistry, on "Chemical Messengers in Insects and Plants."

Thursday, Feb. 20 — Chemistry, 12:45 p.m., Room 333 Whitmore, Nicholas Winograd, Purdue University, on "Electron Spectroscopic ("ESCA") Studies of Metal-Oxygen Surfaces."

Thursday, Feb. 20 — Agronomy, 3:45 p.m., Room 301 Ag. Administration, Tom Simpson on "Land Resource Mapping in Forested Mountainous Areas Using ERTS-1 Multispectral Scanner Data."

Thursday, Feb. 20 — Statistics, 4 p.m., Room 69 Willard, Dr. David A. Pierce, Division of Research and Statistics, Federal Reserve Board, Washington, D.C., on "Causality in Temporal Systems."

Thursday, Feb. 20 — Engineering Acoustics, 4 p.m., Room C. Willard, Dr. Thomas Frank, director of audiologic service, speech pathology and audiology, on "Impedance Audiometry as a Guide to Hearing Assessment."

February 20 is the deadline date for Spring Term Calendar items; send them to INTERCOM, 312 Old Main. The calendar will appear March 6.

Friday, Feb. 21 — Artists Series film, Paul Robeson, "Song of Freedom," 8:30 p.m., Schwab.

Friday, Feb. 21 — Daniel Ragone, piano recital, 8:30 p.m., Music Bldg. recital hall.

Friday, Feb. 21 — Free U jammy, 7:30 p.m., HUB ballroom.

Friday, Feb. 21 — Folk and Square Dance Roundup, 7:30 p.m., White Bldg. south gym.

Friday, Feb. 21 — Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

Saturday, Feb. 22 — Artists Series film, Paul Robeson, "Jericho," 8:30 p.m., Schwab.

Saturday, Feb. 22 — PSU Chapter Phi Delta Kappa, Ladies Night, dinner and dance, Banquet, Nittany Lion Inn, 6:30 p.m., dance at 8:30 p.m., Room 102 Kern.

Saturday, Feb. 22 — Men's basketball, vs. Pittsburgh, 8 p.m., Rec Hall.

Sunday, Feb. 23 — Karen Buday, soprano recital, 3:30 p.m., Music Bldg. recital hall.

Sunday, Feb. 23 — Artists Series Film, Paul Robeson, "Proud Valley," 8:30 p.m., Schwab.

Sunday, Feb. 23 — GSA graduate student Table Tennis Tourney, men's and women's divisions, 9 a.m., Room 101 Kern.

Sunday, Feb. 23 — Chapel Service, 11 a.m., Eisenhower Chapel, Rev. Charles L. Coeman, Program Director of Religious Affairs.

Sunday, Feb. 23 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

Meetings

Thursday, Feb. 13 — Penn State Branch, American Society for Engineering Education, luncheon meeting, 12 noon, HUB dining room "A". Dr. Robert Quinn, on "An Introduction to the Commonwealth Campus System and a Review of the Programs."

Thursday, Feb. 13 — Alpha Kappa Delta honorary in sociology, 3:30 p.m., Room 307 Liberal Arts Tower, Dr. Rex Ward, rural sociology, on "Will the Real Consumer Activist Please Stand Up: A Search for a Theoretical Perspective."

Monday, Feb. 17 — USG Senate, 7:30 p.m., HUB assembly room.

Monday, Feb. 17 — OTIS, 6:30 p.m., Room 203 HUB.

Monday, Feb. 17 — Education Student Council, 7 p.m., Room 123 Chambers.

Tuesday, Feb. 18 — ARHS, 7:30 p.m., Room 203 HUB.

Tuesday, Feb. 18 — Senate Council, 2:10 p.m., Room 101 Kern.

Tuesday, Feb. 18 — Society of Student Social Workers banquet, 6:30 p.m., Nittany Lion Inn. Speaker, John Mattingly, former director of Pittsburgh Community Treatment Center.

Tuesday, Feb. 18 — Alpha Kappa Delta, sociology honorary, 7 p.m., Room 105 Ford, Dr. Erving Goffman, Benjamin Franklin Professor of Anthropology and Sociology, University of Pennsylvania, on "Gender Commercial: Stereotype of Feminine Behavior Styles in Advertising."

Wednesday, Feb. 19 — Association for Women Students, 7 p.m., Room 203 HUB.

Thursday, Feb. 20 — Christian Science Organization, 7:30 p.m., HUB assembly room. Lecture by Joseph Herd.

Thursday, Feb. 20 — English Department faculty, 2:45 p.m., Nittany Lion Inn, Fire-side Room.

Exhibits

Museum of Art — Paintings, Drawings, and Prints by Bruce Shobaken, Gallery A, through Feb. 15. Will Barnett Retrospective, Etchings, Lithographs, Woodcuts and Serigraphs, opening Feb. 23, Gallery A. Carlo Maratti and His Contemporaries, Drawings from the Roman Baroque, Gallery C.

Zoller Gallery — Cook Porter Invitational Student Sculpture Exhibit.

212A Arts Bldg. — Photographs of Nature by Douglas Baz, through Feb. 14.

Chambers Gallery — Art Education Graduate Exhibition, all media.

Hammond Gallery — "First Dogmat Exhibition," paintings, drawings and mixed media by art majors Sandy Kautz and Lola Popowicz, until Feb. 16.

HUB Gallery — "Vision of Peace in Painting," 42 children's paintings by Arab and Jewish children, through Feb. 16.



Marcel Marceau, with some new sketches, will also present some of his most famous mime characters on the Artists Series Friday (Feb. 14) at University Auditorium, 8:30 p.m.

Artists Series

Marcel Marceau, the world's greatest living pantomime, will include his famous "Bibi" sketches in his Artists Series performance tomorrow (Friday, Feb. 14) in University Auditorium.

Marceau's appearance is part of the 1974-75 Theatre/Dance Series, which was sold out by season subscriptions last fall.

The celebrated French artist is making University Park one of the major stops on his third North American tour, which opened Sept. 6 with a record-breaking run at the New York City Center. Accompanying him as "Presenter of Cards" will be pantomimist Pierre Verry of M. Marceau's French company.

Marceau will also include in his program some of the style exercises and pantomimes with which American audiences are familiar, via television as well as the stage. It is a new program, but it will also include some of the old favorites, notably "Youth, Maturity, Old Age and Death" and "The Public Garden."

Marceau's current visit to this country, was preceded by two full years of international successes in the major cities of Europe, Latin America and Israel, as well as a 12-month sold-out engagement at his home base, the Ambigu Theatre in Paris. He is scheduled to return to Europe this month for engagements there.

The following week, the Artists Series will have a four-part series of Paul Robeson films, including: "Emperor Jones," Thursday, Feb. 20; "Song of Freedom," Friday, Feb. 21; "Jericho," Saturday, Feb. 22; and "Proud Valley," Sunday, Feb. 23. All are at 8:30 p.m. in Schwab Auditorium.

Robeson, long recognized for his fine bass vocal performances in all forms of music, played the role of "Emperor Jones" on the stage in London as early as 1923. A graduate of Rutgers University, Phi Beta Kappa and All-American football player, he became an outstanding stage and screen artist.

Tickets at all performances will be sold at the door, starting at 7:30 p.m.

Films

Thursday, Feb. 13 — Commonsplace Theatre, "A Man for All Seasons," 7 and 9 p.m., Room 112 Kern.

Thursday-Friday, Feb. 13-14 — "Black Girl," Cultural Center, Walnut Bldg. Thursday, 8:30 p.m., Friday, 7:30 p.m.

Friday-Sunday, Feb. 14-16 — Centre Cinema, "Bob and Carol and Ted and Alice," 7:30 and 10 p.m., Room 105 Ford.

Friday-Sunday, Feb. 14-16 — Penn State Organization for Reform of Marijuana Laws and Free University, "Fillmore," 7:15 and 9:30 p.m., Room 121 Sparks.

Friday-Sunday, Feb. 14-16 — Block & Bridge, "Cool Hand Luke," 7:15 and 9:15 p.m., Room 111 Ford.

Monday-Tuesday, Feb. 17-18 — Simmons lounge film series, "The Big Noise," Laurel and Hardy, 7:30 and 9:15 p.m., Simmons lounge.

Wednesday, Feb. 19 — Commonsplace Theatre, "What's Up, Tiger Lily?," 7 and 9 p.m., Room 112 Kern.



Mrs. J. Ralph Rackley presents the initial contribution to College of Education Dean Henry J. Hermanowicz to initiate a fund to develop a collection of documents relating to native American culture. The fund honors the late Dr. J. Ralph Rackley, who was Education dean for many years and later University Provost.

Collection of Indian history started

Documents relating to the history and culture of native Americans will form a special collection at the University in honor of the late Dr. J. Ralph Rackley, who served the University as provost and earlier as dean of the College of Education.

Planners of the project hope to collect deeds, documents, and correspondence pertaining to American Indian history and culture from sources throughout the nation. Few such collections exist in the United States. Both original materials and usable copies are being sought.

The collecting and organizing of the materials will be supported by the fund set

up as a memorial to Dr. Rackley by family, colleagues, and friends.

The committee arranging for the collection includes Ellis B. Richie, assistant for student affairs and instructor in education; Dr. Asa J. Berlin, associate professor of speech pathology; Dr. G. Lester Anderson, professor of education; Dr. Francis Fairchild, assistant professor of education; Theodore M. Johnson, director of the Curricular Materials Center; Dr. Arthur Heilman, professor of education; Yar Chomicki, professor of art education; and Mary E. Godfrey, assistant professor of art education.

Mrs. Rackley is consultant to the group.



Works of student sculptors, like Fred Snitzer, above, are currently on display in the Zeller Gallery in the Cook/Porter Invitational Student Sculpture Exhibit. Snitzer's clay sculpture is being completed for later casting in bronze.

ENVELOPES NEEDED

Recycling of interoffice envelopes at the University Park Campus saves many dollars, and in a period of paper limitations of all kinds, it helps to make fullest use of the available supplies. Departments, and individuals, are therefore urged to send excess supplies of used envelopes of all kinds to Mailing Services, 106 Service Bldg. This includes every type of envelope that might conceivably be reused — letter size; No. 10 lined or unlined, manila, or white; even up to 11 by 15 inch envelopes. These will then be sent to those departments that have expressed a need for envelopes; at the present time, the expressed need is far greater than the available supply.

MEATS LAB

Staff members are reminded that sales of meat at the Meats Lab near Beaver Stadium are held weekly, at 1:30 p.m. each Friday. Steaks, roasts, chops and sausage are available; beef, pork and lamb are the meats.



Credit Union elects board members

The Penn State Federal Credit Union, which now has assets of nearly \$1.8 million, held its annual meeting recently and elected these faculty and staff members to the board of directors: (sitting), Norman H. Selt, director of the Mineral Constitution Laboratories, treasurer; Dr. James C. Wambold, associate professor of mechanical engineering, president; and Dr. Paul O. Holtzman, professor of speech, as vice president. Standing are Diane S. Bernd, secretary in Individual and Family Studies; Raymond R. Dimes, instructor services coordinator for Commonwealth Campuses, in UOIS; Dr. Richard A. Keppeler, associate professor of agricultural engineering; and James W. Locker, Jr., personnel assistant, Personnel Administration. The CU, organized in 1960, now has 2,600 members.

Baroque music by chamber group

Works from the early and late Italian Baroque will be performed by Musica da Camera, University chamber orchestra, at 3:00 p.m. Sunday, Feb. 16, in Gallery C of the museum of Art.

Planned in conjunction with the current exhibit, "Carlo Maratti and his Contemporaries: Drawings from the Roman Baroque," the concert is an aspect of the re-creation of a period atmosphere in the gallery.

With the drawings, Baroque furniture is displayed. On weekday afternoons from 3 to 4 p.m., recorded Baroque music is played.

Musica da Camera, conducted by Dr. D. Douglas Miller, will perform Vivaldi's "Win-

ter Concerto" from his "Four Seasons," with Raymond Page, associate professor of music, on solo violin.

From the early Baroque will be Corelli's "Trio Sonata," with student musician Davis Brooks and Laura Sardinias, with Peter Brye, cello, and James May, harpsichord.

"Concerto Grosso," by Locatelli, will complete the afternoon's program. With ten late in the period, the work is in the traditional grosso form pioneered by Corelli.

Sunday's concert is open free to the public. The drawings from the Roman Baroque will be on display in the Museum through March 16.



Three singers and the conductor at a dress rehearsal for the Mozart one-act opera, "Bastien et Bastienne," discuss the performance to be given Sunday, Feb. 16, at 8:30 p.m., Music Bldg. recital hall. Graduate students Vincent Noel, left, and Shirley Foster Donovan and Walter Wells, right, go over music with Gregory Donovetsky, instructor in music.

Mozart operetta in costume Sunday

Mozart's operetta, "Bastien et Bastienne," will be staged in full costume by graduate students in music as part of an evening of Mozart at 8:30 p.m. Sunday, Feb. 16, in the Music Bldg. recital hall.

Shirley Foster Donovan and Vincent Noel portray the young lovers, with Walter Wells as their worldly conciliator, in the performance of the English version of the one-act opera.

Written by Mozart at a very young age, "Bastien et Bastienne" is a tuneful work recognized as foreshadowing some of the great composer's later major compositions. The similarity between the overture to the operetta and the opening theme of Beethoven's later "Eroica Symphony" is often noted.

The operetta was first performed in 1768 in the garden theatre of Dr. Anton Mesmer, discoverer of mesmerism. The libretto is Mozart's version of Madame Favart's parody of Rousseau's only opera, "The Village Soothsayer."

A small chamber orchestra of four winds and four strings will perform in the

operetta and will play Mozart's "Serenade #11" for woodwind octet.

The concert will feature all student musicians, conducted by Gregory Donovetsky, instructor in music. The public is invited to attend.

Three short sound-slide presentations are now available for use by faculty, staff, and students.

One is an overview of research in several colleges, including agriculture, engineering, science, earth and mineral science, liberal arts and medicine. Running time: 9:00 minutes.

The second, which runs 8:00 minutes, deals with life science research at University Park and Hershey.

The third, 7:00 minutes, explains the use of neutron activation analysis in criminal investigation.

The presentations might be useful for visitors, service clubs, prospective students, etc. All are in color, with automatic slide advance.

For information, call Gil Aberg, 855-7517.

Brass chorale has commissioned work

The premiere of a work by Byron McCulloch, "Sinfonia for Brass and Battery," commissioned for the Penn State Brass Chorale by the Institute for the Arts and Humanistic Studies at the University, will be among the highlights of the brass choir's concert at 8:30 p.m. Wednesday, Feb. 15, in the Music Bldg. recital hall.

McCulloch, bass trombonist with the Pittsburgh Symphony and senior lecturer at Carnegie-Mellon University, has composed several works, two of which were premiered by the Pittsburgh Symphony in Heinz Hall. He worked with the Brass Chorale while at the University during the recent residency sabbatical.

Robert Baisley, professor and head of the music department, will be the featured piano soloist in the group's performance of

Hindemith's "Konzertmusik for Brass, and Two Harps," a piece composed while the composer was under house arrest as an enemy of the Nazi state for his defense of Jewish musicians in Germany.

Mr. Baisley, who assisted under Hindemith for three years, notes that the work is a fairly dissonant piece, is the only composition for this unique combination of instruments.

Also scheduled are Piston's "Ceremonial Fanfare," commissioned for the 100th anniversary of the Metropolitan Museum of Art in 1970, and "Divertimento for Brass and Percussion" by Pulitzer Prize-winning composer, Karel Husa. Wednesday's free public concert will be conducted by James Benshoof, assistant professor of music and director of the Brass Chorale.

PENN STATE intercom

Volume 4, Number 23

February 20, 1975

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

News in brief

UNITED WAY REPORT

The Centre County United Way, through the president of the Board of Directors, Dr. Leon R. Kneebone, has issued a special thanks and a commendation to the faculty and staff of the University who supported the recent financial drive of the organization.

Dr. Kneebone, who is professor of botany and plant pathology, said that 1,154 University contributors gave a total of \$72,365, well over the goal of \$70,000. The average pledge of \$62.70, some in lump sum and some in payroll deductions, is 42 per cent higher than the average gift of two years ago.

Dr. Kneebone issued a particular note of appreciation to Charles Lupton, University Division chairman, and his team of 15 sub-chairmen for their efforts.

TWO CULTURES DIALOGUE

Dr. James B. Bartoo, dean of the Graduate School, and Dr. J. J. Kaufman, director of the Institute for Research on Human Resources, will lead the "Two Cultures Dialogue" program, Tuesday, Feb. 25, at the Materials Research Laboratory. These locally-level discussions are held at noon,

with adjournment at 2 p.m., and an invitation is extended to all faculty and administrative personnel. The subject Feb. 25 will be "Elements and Process of Evaluation of Academic Programs," part of a series on "Assessment of the Quality of Education."

Found

A set of keys, including home, office, and car keys, and may be claimed after proper identification by calling at the Civil Engineering Department office, Room 212 Sackett Bldg. Among the keys are those for a Volkswagen.

FSHA DUTCH DINNER

Students of the FSHA 410 class will feature "A Night in Amsterdam" dinner Tuesday, Feb. 25, in the Maple Room of the Human Development Bldg. Service is at 5:30 p.m. Foods, customs, and service of The Netherlands will be the order of the evening. For more information and to place reservations, call 865-7441.

ART TOURS

Art history graduate students are conducting free tours of the Museum of Art where the current exhibit of Roman Baroque drawings is being displayed. The 45-minute tours, intended for a general aud-

ience, are held at 3 p.m. on Saturdays and noon on Tuesdays; they will continue through March 16. Debra Israel and Susan Munshower are conducting these special tours, which are in addition to the regular Thursday tours of the Museum.

BERKS ARTS SALUTE

A week-long Berks Campus "Salute to the Arts" March 16-21 will honor the contributions of Berks County artists to the area's cultural experience. Co-sponsored with the Berks Arts Council, the program will include a chamber music concert, four area high school stage bands in concert, exhibits by artists and craftsmen of the area, and a concert by a classical guitarist, Peter Segal, and flutist Janet Ketchum.

HUB ART EXHIBIT

Projects created by members of the Developmental Year program geometry class are on display in the HUB. Titled "Art in Display," the exhibit includes three-dimensional geometric figures and geometric codes in posters, straw constructions, string sculptures and line designs. The HUB Arts and Crafts Committee is sponsoring the display.

DANCE MARATHON

The Easter Seal Society of Centre and Clinton Counties will receive \$10,825 as a result of the Interfraternity Council Dance Marathon held in the HUB Feb. 7-9.

BEHREND COLLOQUIUM

The Third Annual Colloquium in History at Behrend College April 26 will be on the theme of "Conteionalism and Nationalism in 19th Century Europe." It will feature as speakers Dr. Nancy A. Rosenblatt, lecturer in history at University Park; Dr. Bruce F. Griffith, of Catawba College; Dr. Paul Valiere, Columbia University; and Dr. Helmut Schnitter, visiting assistant professor of history at Behrend, who will respond to the papers by the other speakers.

SCULPTURE SHOW

Sculpture of Daniel C. Wimer, who is a candidate for the Ph.D. in education administration, is currently on display in the Kern Graduate Commons Gallery and will

(Continued on page four)

Registration now underway

Two programming workshops planned

FORTRAN

An introductory programming workshop will be held Monday-Friday, March 3-7, in Room 112, Buckhout Building. Basic computer concepts and techniques of programming in the FORTRAN IV Language will be studied. The workshop is open to all faculty, staff, and graduate students, and will be oriented toward those who have had no previous computer experience. Lectures will be given throughout the day, beginning at 9:00 a.m. and resuming at 1:30 p.m. after a lunch break.

Sample programs will be studied and practice problems will be assigned throughout the week. In order to gain the maximum benefit, participants should plan to devote the entire week to the workshop.

INTERMEDIATE

An intermediate programming workshop introducing the PL/1 computer language will be held Monday-Friday, March 3-7, in Room 213, Buckhout Building. This workshop will assume a knowledge of some other computer language such as FORTRAN, COBOL, ASSEMBLER, or BASIC. Intermediate and advanced techniques of programming in the PL/1 language will be

Medical claims

March 31, 1975, is the last date on which the Employee Benefits Division will accept charges for a 1974 major medical claim from University employees or their dependents.

A major medical claim is established once an employee reports \$100 of eligible out-of-pocket medical expenses during the claim year period of January through December. If a major medical claim was not established in 1973, but charges were incurred in October, November, or December of that year, these charges may also be included in the reporting of expenses for a 1974 claim.

Claim forms and other information on how to report major medical expenses are available at the Employee Benefits Division, 133 Willard Bldg.

Pa. energy parks to be discussed

"Energy Parks in Pennsylvania" will be discussed by Edward F. Reis, manager of system planning for the Pennsylvania Power and Light Company, Allentown, at 2 p.m., Thursday, February 27, in 112 Kern Bldg. The meeting is sponsored by the University's Intercollegiate Graduate Program Committee on Energy Sources and Utilization.

Reis is project manager of the Energy Park Development Group which is made up of four utilities: his own company, Metropolitan Edison, Reading; Pennsylvania Electric Company, Johnstown; and Philadelphia Electric Company, Philadelphia.

This group has been studying the energy park concept under which concentrations of power plants, coal-fired as well as nuclear, would be built at a relatively few locations around the state rather than building single generating plants at many locations as is currently being done.

The concept was announced at a meeting sponsored by the Governor's Energy Council at a meeting in Harrisburg late last month.

The workshop will be open to all faculty, staff, and graduate assistants. Lectures will be given throughout the day, beginning at 9:00 a.m. and resuming at 1:30 p.m. after a lunch break.

Note, that unlike previous PL/1 and FORTRAN workshops, this is not introductory and that a prior course, or equivalent, will be assumed.

Registrations will be accepted by Linda Yarnall, Room 229, Computer Building, immediately for both courses. A charge of \$3.00 (cash or interdepartmental transfer) for course materials will be made for each registrant. Computer charges will be born by the Computation Center and participants can use the computer for practice purposes free of charge throughout the spring term.

Scientists presenting papers at the 59th Annual Meeting of FASEB are urged to contact the Scientific Information Officer as soon as possible if the work being reported has medical, environmental or other social implications. Call Gil Aberg, 865-7517.

From Office of Gifts and Endowments

Deadline nears for fund requests

Deans and Directors of Commonwealth Campuses are currently receiving from members of their faculties requests for use of undesignated funds received through the Office of Gifts and Endowments from alumni and friends of the University.

Such requests for funds are then considered by the Proposal Evaluation Committee before funds are distributed. This committee will be meeting next on April 2, and in order for these requests to be reviewed at that meeting it is necessary to have all request forms and supporting materials submitted to A. William Engel, of the Office of Gifts and Endowments, by Friday, March 14.

Faculty members are urged to consider this source of funds but are reminded that each request must be approved by the appropriate dean or director. To give some idea of the kinds of projects the Committee will consider, the following

criteria are noted:

1. In accord with University priorities when other funds are not available or appropriate.
2. Significant impact on the University.
3. Great degree of visibility so as to attract additional private funds.
4. Distribution of funds where the needs are greatest throughout the University.

Seven categories of projects for which allocations are made have been designated by the Office of Gifts and Endowments:

1. Enrichment of cultural offerings.
2. Financial assistance to students.
3. Improvement of quality of the campus environment.
4. New dimensions in instruction.
5. Religious affairs.
6. Stimulation of faculty research and scholarship.
7. Support of other projects.

SENATE REPORT

Election Procedures

The Senate Office has sent letters to all College Deans and Campus Directors directing them to hold elections for Senate seats. The Deans and Directors have been informed as to the number of Senators that should be elected based upon the census completed in January. The statement also indicates current Senators and when their terms expire.

The following procedures must be followed:

- (1) Nominations shall be made by members of the University Faculty. The procedure shall provide that every member of the electorate shall have the opportunity to place names in nomination.
- (2) There shall be at least twice as many nominations as there are Senators to be elected.
- (3) The election shall be by secret ballot.
- (4) In case an elected Faculty Senator does not complete his term, the University Faculty of his voting unit shall elect a replacement. . . At the next regular election, a Senator shall be elected to complete the term.

Please notify the Senate Office or a member of the Elections Commission if the procedures are not followed.

Members of the Election Commission are as follows: John J. Coyle, Chairman, Robert Hamilton, Harold Johnson, Thomas King, Pat Overdeer, Henry Sams.

Three deaths

Paul H. Margolf, professor emeritus of poultry science, who retired from the faculty with emeritus rank in 1963 after 41 years of service, died Feb. 13. Born Aug. 7, 1897, in Morrisville, Pa., he came to the campus in 1922 as a Winter Course student, began to work on the poultry farm and was appointed plant superintendent a year later. By taking several courses each year for 10 years, he earned a B.S. degree in 1937 and was appointed instructor in poultry husbandry. In addition to teaching and research on campus, he taught night classes to Rockview Penitentiary inmates for 23 years, helping an estimated 1,000 inmates to prepare for an occupation after release from prison. He conducted many studies on poultry products and management. He was active on many College of Agriculture committees and worked with student clubs. Among his many honors were the University's Award for Excellence in Teaching in 1959, "Poultryman of the Year" by the Pennsylvania Poultry Federation, and the Poultry Science Association's outstanding teaching award. He was active in many church and civic affairs, as well as the Pennsylvania State Poultry Federation.

J. William Caldwell, professor emeritus of industrial engineering who served on the faculty for 23 years, died Feb. 13 in Florida. He was born in Hickory, Pa., Jan. 18, 1903. Before joining the faculty in 1945, he served more than 15 years with Burroughs Corp., Johns-Manville, and the Elliott Co. In 1954, he held a Fulbright Award to work at the Technical University of Denmark and in 1967 he conducted seminars on industrial management at the University of Puerto Rico. From 1960 to 1962 he was a management consultant and director of the executive seminar with the U.S. International Cooperation Administration Mission and Productivity Center in Monterrey, Mexico. He initiated the Research and Development Management Seminar in the College of Engineering and was chairman of the program for ten years. He was very active in church and local organizations.

Dr. Rena Foy, who served on the faculty from 1963 to 1968 as assistant professor of education, died Feb. 7. She had been professor of education at Bowling Green University since leaving Penn State in 1963. Before coming here, she had taught at SUNY at Plattsburgh, the University of Texas, and in Texas high schools. She was the author of "The World of Education."

Funding Opportunities

For procedural and funding source information, call 865-1372.

February 20, 1975

(1617) The 1975-76 federal research and development budget includes a 4.5% increase. R&D facilities are to receive an additional one billion dollars. Civilian programs such as energy, health, education, agriculture, environment, urban problems, and transportation are to receive a 5% boost to \$7.4 billion. Health R&D is budgeted at \$2.6 billion; \$1.6 billion of that will go to NIH. Major efforts are planned in physiological and disease process research, inventories, and improving health care delivery. One-fourth of the \$7.4 billion goes for energy research — most to EROA. Research into a wide range of national problems will be funded through the Departments of Transportation, Interior, Commerce, HUD, Agriculture, NASA, NSF, EPA, and NRC. A recent NSF news release lists a wide range of national problems that some details. This information is available. (Ref. NSF 75-5A1).

(16172) The National Science Foundation FY 1975 budget is \$783.3 million or 11% over the FY 1974 budget of \$697.1 million. About 93% of the new budget is earmarked for basic research. The remaining 17% will be spent for applied research focused on national problems of environment, food and technology. Among the program increases are scientific research project support

Heart risk screening exam set for Feb. 25

A Heart Risk Screening Program, designed to discover those individuals prone to coronary heart disease, will be conducted on the University Park Campus Tuesday, Feb. 25, for anyone wishing to take advantage of the opportunity to have a specialized examination. The program is sponsored by the Central Pennsylvania Heart Association.

The program also includes assisting those found to be prone to heart disease to set up a health improvement program through their physicians, to reduce the risk associated with factors that can be controlled.

While not restricted to faculty and staff members and their families, the heart screening examination is directed toward them. A donation of \$3 is being asked

from each person to help defray the high cost of the program, which is aided financially by the Association.

Each person will be screened for blood pressure, cholesterol, blood sugar, skin fold, height and weight, and additional information will be obtained concerning the person's age, medical history, heredity, smoking habits, and exercise, because each of these factors is said to be some indication of whether a person is prone to heart disease.

The examinations will be given from 9 a.m. to 5 p.m., Feb. 25, in Room 301 Agricultural Administration Building.

To make an appointment for an examination, call the Pa. Heart Association office, 238-1301.

Once considered expendable

Mine gas extraction methods studied

Long known only as a dangerous gas that must be eliminated before coal can be mined safely, the methane that occurs in coal seams now looks as though it may be a valuable supplement to critically short U.S. natural gas supplies.

There's an estimated 660 trillion cubic feet of methane gas in mineable coals in the U.S. — enough to take care of all of the country's natural gas needs for a dozen years.

To find the best and most economical methods of extracting this formerly "useless" substance from the earth, a methane research group has been organized in the Department of Mineral Engineering.

Initial funding for the first year of what is planned as a five-year program has come from the Pennsylvania Science and Engineering Foundation. The U.S. Bureau of Mines, which has done the pioneering research in this country on the recovery of methane from coal primarily from the standpoint of miner's health and safety, will also be a major sponsor, and help is expected from various coal producers as well.

Co-directors of the project are Dr. Robert Stefanko, professor of mining engineering, and Robert L. Frantz, professor and head of the Department of Mineral Engineering.

Every day for years, millions of cubic feet of methane have been vented from Pennsylvania coal mines with no effort to capture the gas because it was essentially worthless. Then came the energy shortage. The price of natural gas increased 20 times — from about 5 cents to about \$1.00 per thousand cubic feet — and, suddenly,

Once considered expendable

this "nuisance" became a valuable natural resource.

Chemically equivalent to natural gas, methane has always posed a threat to miners' lives. It now costs about 50 cents per ton of coal produced to remove it from mines and it frequently delays production since operations must be suspended when the gas level in the mine atmosphere exceeds 1 percent.

Pointing out that methane, as it comes out of mine ventilation systems, is in a highly diluted form, not suitable for commercial use, Dr. Stefanko explains that the technique the research group will study involves the drilling of boreholes into coals in advance of mining. U.S. Bureau of Mines research has already found that this method not only results in the collection of methane of commercial quality, but also degasifies the mine, making it safe to work in. And once the coal is being mined, the boreholes serve ventilation and other purposes.

The research group's plans call for drilling five boreholes into coal seams during the project's first year. Three will be sunk into bituminous coal at the U.S. Steel Corporation's Cumberland Mine in Greene County.

Major goals of the Penn State researchers include assessing the economic feasibility of the technique and determining various engineering factors such as the flow rates from the boreholes, how long gas will continue to flow from them, optimum patterns for drilling and how many holes are needed, and the effects of injecting water under pressure into the coal seams to increase the gas flow.

\$39.4 million and special research programs up \$29.5 million. Decreases are registered for R&D (\$3.2 million) and science education (\$7.2 million). NSF released a 151-page booklet, "Matching grants including a discussion of research programs funded and comparative tables of expenditure by program. The statement has been distributed. (Ref. NSF 75-9, 2/2/75).

(16173) The National Endowment for the Arts (NEA) supports a "City Split" program intended to "weave the arts into the fabric of the everyday life of a city, neighborhood, town, region, or state." Matching grants are available to initiate explore the esthetic and artistic environment of community work and play, and following that to plan and put into action activities to bring together the community "arts" and "non-arts" interests. Bi-annual projects are applicable. Involvement and participation of many segments of the community is a major concern of the program. The next two deadlines are April 15, 1975 and January 31, 1976. (Ref. NEA guidelines & OPP deadlines).

(16174) The Office of Education has announced a March 19, 1975 closing date for new grants under the Right to Read State Grants Program. Information has been distributed (Ref. 49R5004, 2/27/75 & CFDA 15.353).

(16175) Outreach programs support to promote social research on the elderly will be funded by the OHEW Administration on Aging (AGA). A limited number of annual \$5,000 stipends for research and writing will be made to students in social gerontology, sociology, social work, economics, psychology, political science, public administration and other relevant social sciences. Applications should be sent to the University. More information will be made available. The deadline for application to AGA will be April 15, 1975. (Ref. 600 2/19/75).

(16176) Post doctoral students in the environmental field may apply to the Rockefeller Foundation; deadlines are Feb. 1 and Sept. 1, 1975. Write a proposal stating the scope, purpose, and objectives of the work to be done. Generalize the leadership potential of the applicant. Also furnish a letter of endorsement from the agency where the work will be done, two letters

of recommendation, a vita, transcripts, and a budget. The Foundation's address is 111 West 60th Street, New York 10020.

(16177) Swiss Government, Switzerland, and a New York City summer graduate study internship has been announced by the United Nations. Planned for July 15 to Aug. 6, 1975, the internships furnish graduate students with the opportunity of learning the principles and activities of the U.N. and its agencies. Each student must pay all expenses and must be nominated by his university. Application forms and a one-page flyer are available in 317 Kern; the filing deadline is April 15, 1975. For more information write to the U.N. Office of Public Information, Coordinator of the Student Internship Programs, Room 1037F, United Nations, New York 10017.

(16178) People who wish to serve as an educational and academic resource person in chapters of Sigma Alpha Epsilon may apply to that organization for \$1500 fellowship-scholarships. The host chapter house also provides room and board. A brochure can be read in 317 Kern; the application deadline is April 15, 1975. For more information, write to Levee Memorial Foundation of Sigma Alpha Epsilon, 1858 Sheridan Road, PO Box 1858, Evanston, IL 60204.

(16179) Students majoring in osteopathology and planning to practice in Canada may apply for a \$4,000 scholarship offered by the Canadian Osteopathic Educational Trust Fund, Attn: J. S. Currie, 575 Waterloo St., London, Ontario, N6B-2R2. Apply before April 15, 1975.

REMINER AND DEADLINE DATES
March 13 for Barriers and Incentives on Solar and Geothermal Energy, 23 INTERCOM #163-16.
March 17 for NEA Internship Program (Jan. 31 INTERCOM #164-1).
March 21 for OE Ethnic Heritage Studies program (Jan. 16 INTERCOM #163-1).
March 21 for NSF research on environmental effects of geothermal energy development (Feb. 13 INTERCOM #162-1).
April 1 for Pa. Resident gubernatorial Grants (February 12 INTERCOM #161-1).
April 1 for OOT University Research (Jan. 16 INTERCOM #162-5).
April 15 for PENNAP technology dissemination proposals (Feb. 13 INTERCOM #165-1).

Honors

Dr. Robert D. Shipman, associate professor of forest ecology in the School of Forest Resources, has been named "Forester of the Year — 1975" by the Allegheny Section of the Society of American Foresters. The citation presented at the recent meeting held in Monroeville honors Dr. Shipman "for his outstanding contribution in research testing and development of techniques in the safe use of herbicides in forest-wildlife management."

Dr. Shipman was a research forester at the USDA Southeastern Forest Experiment Station for seven years and served on the faculty of Clemson University for five years before he joined the School of Forest Resources in 1963.

He conducted the first successful general applications of pelleted herbicides in the Southeast, aimed at converting low quality forest stands into faster growing trees and improved wildlife habitat. He has had wide experience in forest regeneration and the ecological implications of applying herbicides into the forest environment. This stand conversion method has been tested and successfully demonstrated on low-grade oak-hickory stands in central Pennsylvania during the past ten years. The method, and its implications for future use on oak leaf roller and gypsy moth infested hardwood sites, has been described in numerous technical publications, and he has by terms by science writers and radio television programs.

Besides his major contribution to the pesticide field, he is currently involved in several research projects, including the feasibility of "clear-cutting" in eastern forests and a second project on the effects of roadside salt injury to plants and animals. Since 1954 he has authored or co-authored over one-hundred technical and semi-technical publications dealing with forest ecosystems.



Col. Clifford T. Kirkwood, right above, professor of military science and head of the Department of Military Science and Army ROTC, has been given the Meritorious Service Medal. The outstanding performance of duty, while serving in the Pentagon for three years as Staff Officer, Deputy Chief of Staff for Operations, Brig. Gen. James F. Cochran, III, commander of the Army's III ROTC Region at Fort Bragg, presented the medal to Col. Kirkwood, who served in the Pentagon before his appointment here last September.

Staff vacancies

University faculty or staff members who are interested in any of the staff exempt or staff non-exempt jobs listed below may apply by calling Employment Office, 865-1387 (Network Line) or by sending resumes to the office. Resumes should be sent to the office by the following dates. Applications will be accepted until 5 p.m.

THURSDAY, FEB. 27, 1975

ADMINISTRATIVE ASSISTANT Hershey Medical Center

Responsible for the Chairman of the Department of Surgery, for business and administrative functions of the department including budgetary responsibilities, personnel administration, purchasing, departmental operational policies, and liaison with other departments and outside organizations. Bachelor's degree or equivalent in Business Administration or a related field plus one to two years of directly related administrative experience.

NACAO, HOUSING AND FOOD SERVICES — Beaver Campus

Responsible for the operation of Housing and Food Services at Beaver Campus. Bachelor's degree or equivalent plus two to three years of directly related experience.

ASSISTANT MANAGER, HOUSING AND FOOD SERVICES — Mont Alto Campus

Responsible for assisting in supervising the entire operation of the Housing and Food Service units at Mont Alto Campus. Associate degree or equivalent in Institutional Management or one to two years experience in food supervision.

The University is an Equal Opportunity Employer

University Park Calendar

February 20-March 2, 1975

Items to be included in this calendar should be sent to the editor, Room 312 Old Main, by Thursday of the week preceding publication.

Special Events

Thursday, Feb. 20 — Artists Series film, Paul Robeson, "Emperor Jones," 8:30 p.m., Schwab.

Thursday, Feb. 20 — Sports: Women's basketball vs. Millersville, 3 p.m.

Thursday, Feb. 20 — FSHA 410 Viking dinner, 5:30 p.m., Maple Room. Reservations required.

Friday, Feb. 21 — Artists Series film, Paul Robeson, "Song of Freedom," 8:30 p.m., Schwab.

Friday, Feb. 21 — Daniel Ragone, piano recital, 8:30 p.m., Music Bldg. recital hall.

Friday, Feb. 21 — Free U Jammy, 7:30 p.m., HUB ballroom.

Friday, Feb. 21 — Folk and Square Dance Roundup, 7:30 p.m., White Bldg. south gym.

Friday, Feb. 21 — Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

Seminars

Thursday, Feb. 20 — Physics, 3:35 p.m., Room 117 Osmond; J. W. Negele, M.I.T., on "The Equation of State of Neutron Star Matter."

Thursday, Feb. 20 — Plant Pathology, 8 p.m., Room 213 Buckhout, Dr. Lawrence B. Hendry, chemistry, on "Chemical Messengers in Insects and Plants."

Thursday, Feb. 20 — Chemistry, 12:45 p.m., Room 333 Whitmore, Nicholas Winograd, Purdue University, on "Electron Spectroscopy (ESCA)" Studies of Metal-Oxygen Surfaces."

Thursday, Feb. 20 — Agronomy, 3:45 p.m., Room 301 Ag. Administration, Tom Simpson on "Land Resource Mapping in Forested Mountainous Areas Using ERTS-1 Multispectral Scanner Data."

Thursday, Feb. 20 — Statistics, 4 p.m., Room 60 Willard, Dr. David A. Pierce, Division of Research and Statistics, Federal Reserve Board, Washington, D.C., on "Causality in Temporal Systems."

Lecture

Thursday, Feb. 27 — "Energy Parks in Pennsylvania," by Edward F. Reis, manager of system planning, Pennsylvania Power and Light Co., 2 p.m., Room 112 Kern, sponsored by the Intercollegiate Graduate Program Committee on Energy Sources and Utilization.

Films

Monday-Tuesday, Feb. 24-25 — Simmons lounge film series, "Abbot and Costello Meet Dr. Jekyll and Mr. Hyde," 7:30 and 9:15 p.m., Simmons lounge.

Monday-Wednesday, Feb. 24-26 — Centre Cinema, "Sleeper," 7:30 and 10 p.m., Room 102 Forum.

Music programs

Two recitals by students in music are planned for this weekend in the Music Bldg. recital hall.

Friday, Feb. 21, Daniel Ragone, pianist, will perform at 8:30 p.m. in a program of sonatas by Haydn and Beethoven, Debussy's "L'isle Joyeuse," and "Transcendental Etude #11" by Liszt. Ragone, who will receive the bachelor of fine arts degree this month, appeared in the 1974 and 1975 Young Artists' Concerts at the University.

Works for soprano voice will be performed by Karen Budny, also a Winter Term graduate, at 3:30 p.m. Sunday (Feb. 23). Compositions by eight major composers have been selected with soprano Julia McKinstry joining in a Brahms duet, Donald Shell, baritone, in a Mendelssohn work, and Vincent Nola, tenor, in a piece by Schumann. Pianist will be Annette Tomassell.

Raymond Page, associate professor of music, and Steven Smith, assistant professor, will play a recital of music for piano and violin or viola at 8:30 p.m. Monday, Feb. 24, in the Music Bldg. recital hall. Planned are Bach's "Sonata in G Major," a work only discovered within the last 100 years, and two rhapsodies for viola, piano, and oboe by early American Ro-

Saturday, Feb. 22 — Artists Series film, Paul Robeson, "Jericho," 8:30 p.m., Schwab.

Saturday, Feb. 22 — PSU Chapter Phi Delta Kappa, Ladies Night, dinner and dance, Banquet, Nittany Lion Inn, 6:30 p.m., dance at 8:30 p.m., Room 102 Kern.

Saturday, Feb. 22 — Men's basketball, vs. Pittsburgh, 8 p.m., Rec Hall.

Saturday, Feb. 22 — Engineers' Week banquet, 7 p.m., HUB ballroom, Dr. Stanley F. Baldwin, architectural engineering, speaking on "The Old Sun as a New Energy Frontier."

Sunday, Feb. 23 — Karen Bundy, soprano recital, 3:30 p.m., Music Bldg. recital hall.

Sunday, Feb. 23 — Artists Series Film, Paul Robeson, "Proud Valley," 8:30 p.m., Schwab.

Thursday, Feb. 20 — Engineering Acoustics, 4 p.m., Room 73 Willard, Dr. Thomas Frank, director of audio service, speech pathology and audiology, on "Impedance Audiometry as a Guide to Hearing Assessment."

Thursday, Feb. 20 — Meteorology, 3:55 p.m., Room 26 Mineral Sciences, Leif Kristensen, Danish Atomic Energy Commission Research Establishment, Denmark.

Thursday, Feb. 20 — Anthropology, 3:30 p.m., Room 113 Social Science Bldg. Dr. Leslie Lieberman, Noll Lab of Human Performance, on "Fitness and Fitness among the Pima Indians of Arizona."

Friday, Feb. 21 — Microbiology, 3:45 p.m., Room N350, Frear, Dr. Ronald B. Faanes, Walker Laboratory, Sloan-Kettering Institute, on "Antibody, Lymphocyte and Target Cell Interactions during *in vitro* Cell-mediated immunity."

Meetings

Thursday, Feb. 20 — Christian Science Organization, 7:30 p.m., HUB assembly room. Lecture by Joseph Herd.

Thursday, Feb. 20 — English Department faculty, 3:45 p.m., Nittany Lion Inn, Fire-side Room.

Monday, Feb. 24 — OTIS, 6:30 p.m., Room 203 HUB.

Tuesday, Feb. 25 — ARHS, 7:30 p.m., Room 203 HUB.

Tuesday, Feb. 25 — College of Liberal Arts faculty, 3:30 p.m., Room 121 Sparks.

mantic composer Charles Loettler. Guest oboe soloist will be Gregory Donovetsky, music instructor.

Concluding the program will be the Beethoven "Kreutzer" sonata for violin and piano, named for the noted violinist to whom the composer dedicated the work.

In the first Composers' Concert to be held during the Winter Term, some ten graduate and undergraduate music composition students will have their work performed at 8:30 p.m. Wednesday (Feb. 26), in the Music Bldg. recital hall.

Among many short works to be performed by faculty and student musicians are a group of clarinet duos, string quartets, piano works, a wind quintet, a work for violin and flute, a wind quartet, a work for baritone voice, bassoon and piano, several works for soprano voice, and others.

Sunday, Feb. 23 — GSA graduate student Table Tennis Tournament, men's and women's divisions, 9 a.m., Room 101 Kern.

Sunday, Feb. 23 — Chapel Service, 11 a.m., Eisenhower Chapel. Rev. Charles L. Coleman, Program Director of Religious Affairs.

Sunday, Feb. 23 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

Monday, Feb. 24 — Raymond Page and Steven Smith, piano and violin recital, 8:30 p.m., Music Bldg. recital hall.

Tuesday, Feb. 25 — "Two Cultures Dialogue," noon-2 p.m., Room 189 Materials Research Lab. Dr. James B. Bartoo, Graduate School, and Dr. Jacob J. Kaufman, Human Resources Institute, on "Elements and Process of Evaluation of Academic Programs."

Monday, Feb. 24 — Genetics, 3:55 p.m., Room 111 Life Science, Mary Pearsall on "Comparison of the DNA's of Certain Lower Vascular Plants With Respect to Their Phylogeny."

Tuesday, Feb. 25 — Plant Pathology, 9:45 a.m., Room 213 Buckhout, Claire Martin on "Biological Applications of Scanning Electron Microscopy."

Tuesday, Feb. 25 — Water Pollution Control, 2:20 p.m., Room 124 Sackett, James Manwaring, Water Supply Program, EPA, Regional Office, Philadelphia, on "Safe Drinking Water."

Tuesday, Feb. 25 — Chemical Engineering, 3:40 p.m., Room 140 Fenske, Lyle F. Albright, Purdue University, on "Role of Surface in So-Called Free Radical Gas-Phase Processes."

Tuesday, Feb. 25 — Physiology, 3:55 p.m., Room 111 Life Science, Dr. H. Borovetz, biotechnology, Carnegie Mellon University, on "IN VITRO Testing Evaluation of a Recently Designed Pediatric Membrane Oxygenator."

Exhibits

Museum of Art — Will Barnet Retrospective: Etchings, Lithographs, Woodcuts, and Serigraphs, opening Feb. 23, Gallery A. Carlo Maratti and His Contemporaries: Drawings from the Roman Baroque, Gallery C.

Zoller Gallery — Cook/Porter Invitational Student Sculpture Show, Gallery C, through Feb. 28.

Chambers Gallery — Art Education Graduate Exhibition, all media, through Feb. 26.

Pattee Library — "Surrealism in Portugal," an exhibit of art in photographic reproduction, through Feb. 28.

Kern Gallery — Sculptures of Daniel C. Winter, Ph.D. candidate in education administration, until Feb. 28.

Barnet exhibit

A retrospective exhibition of the work of Will Barnet, American painter and printmaker, will open on Sunday (Feb. 23), in Gallery A of the Museum of Art.

On view through April 20, the show will cover his etchings, lithographs, serigraphs, and woodcuts dating from 1932 to work completed this year.

An innovative artist, Barnet has greatly influenced printmaking through his own work and as a teacher. He was the first to create lithographs using the techniques of oil painting directly on the stone.

Born in 1911, Barnet received his art education at the Boston Museum of Fine Arts and at the Art Students League in New York. Awarded many graphic prizes, he has exhibited in numerous one-man shows and important national graphic group shows.

His work is included in major graphics collections, including those of the Brooklyn Museum, the Guggenheim Museum, the Library of Congress, the Metropolitan Museum of Art, and the Whitney Museum of American Art.

A catalog tracing the development of Barnet's graphic work from realism through abstractionism and then to the balance of the two which characterizes his work today is offered with the show, organized by Associated American Artists, New York.

Tuesday, Feb. 25 — FSHA 410 dinner, "A Night in Amsterdam," 5:30 p.m., Maple Room, Human Development Building. Reservations, call 865-7441.

Wednesday, Feb. 26 — Composers' Concert, 8:30 p.m., Music Bldg. recital hall.

Wednesday, Feb. 26 — "Noondays," United Ministries devotional Lenten Service, 12 noon, Eisenhower Chapel. Rev. Robert Boyer.

Friday-Saturday, Feb. 28-March 1 — Sports: NCAA Eastern Independent Wrestling Tournament, Friday at 12 noon and 8 p.m., Saturday, 1 and 7 p.m., Rec Hall. PIAA Swimming Championships, 7:30 a.m., Natatorium.

Saturday, March 1 — Sports: Women's Ritz, vs. Kutztown, 2 p.m.

Sunday, March 2 — Phyllis Triolo, piano recital, 3:30 p.m., Gallery C, Museum of Art.

Tuesday, Feb. 25 — Aerospace Engineering, 3:55 p.m., Room 232 Hammond, Dr. Robert C. Dean, Jr., founder and former president, Creare, Inc., Hanover, N.H., on "Life on the Goose Farm (The Small R&D Company)."

Tuesday, Feb. 25 — Geosciences, 4 p.m., Room 26 Mineral Sciences, J. R. Beer-bower, State University of New York at Binghamton, on "Vertebrates on Land, Studies on the Environment of Evolutionary Innovation."

Wednesday, Feb. 26 — Ceramic Science, 11 a.m., Room 301 Mineral Industries, G. M. Rosenblatt, chemistry, on "A Zipper Mechanism for the Retarded Vaporization of Arsenic."

Wednesday, Feb. 26 — Ecology, 3:55 p.m., Room 111 Life Science, Paul Sobak, biology, on "A Comparative Study of White-Tailed Deer ('*Odocoileus virginianus*') Activity and Behavior along Two Sectors of Interstate Highway 80."

HUB Gallery — Developmental Year Program geometry class display.

Official

Wednesday, Feb. 26 — Last day for signing Winter Term Emergency Loans.

Wednesday, Feb. 26 — Classes end.

Thursday-Saturday, Feb. 27-March 1 — Final examinations.

Sunday, March 2 — Residence Halls close for Winter Term, 3 p.m.

Saturday, March 8 — Commencement, 10:30 a.m., Rec. Hall.

WPSX highlights

Sunday, Feb. 23 — Penn State-Pittsburgh basketball, 4 p.m. (recorded).

Monday, Feb. 24 — At 8 p.m., a two-hour science special on the conditions that cause climatic variations, "The Weather Machine."

Wednesday, Feb. 26 — "Arabs and Israelis," two films on two individuals caught in the mid-East conflict, and how it affected their lives, at 8 p.m.

Wednesday, Feb. 26 — Robert Donat stars with the San Francisco American Conservatory Theatre in "Cyranos de Bergerac," at 9 p.m.

Thursday, Feb. 27 — Ethel Seltzer is discussed on "Pennsylvania Town Meeting" at 7:30 p.m.

Friday, Feb. 28 — The 1952 Japanese film masterpiece, "Kiri," at 8 p.m. was directed by Akira Kurosawa.



Beaver County Council Symposium

At the Third Annual Joint Faculty Symposium Feb. 7 at Beaver Campus, Dr. Henry Steele Commager (second from right) was the principal speaker. In photo with him are the three chief officers of the institutions that cooperate in the Beaver County Council of Higher Learning, which among other activities sponsors the yearly symposium. At left is Dr. Richard T. Adams, president of the Community College of Beaver County; Dr. Joseph P. Giusti, director of Penn State's Beaver Campus; and (at right) Dr. Edwin C. Clarke, president of Geneva College. Dr. Commager spoke on "Agenda for the Seventies." Nearly 200 educators from the county area attended the afternoon sessions of the symposium, during which nine faculty members of the three institutions made presentations.



National Safety Council test program

Dr. Gordon F. Mayhew, left, research associate, and Dennis Baker, research assistant, of the Pennsylvania Transportation Institute, attended a two-week National Safety Council annual winter driving test program Jan. 27-Feb. 7 at Stevens Point, Wis. Representatives of vehicle and equipment manufacturers, state and federal governmental agencies, universities, insurance companies and others participated in the test program, which this year emphasized the stopping and traction ability of small cars.

NEWS —
(Continued from page one)

remain until Feb. 28; the work is priced for sale. Witmer, a graduate of Millersville State College with a B.S. in Biological Science and an M.Ed. in Earth and Space Science, sculpted only "to fulfill a need to relate," but he has won best of show, first place, and honorable mention in shows throughout the state. He began with wild flowers and other simple objects; much of what he does now is in brass and aluminum casting.

CIRCLE K MEETING

Dr. Robert G. Quinn, dean of academic instruction for Commonwealth Campuses, will be the banquet speaker for the statewide convention of Circle K, the largest collegiate organization in North America, with some 600 clubs in the U.S. and Canada. Sponsored by Kiwanis, Circle K is a service organization through which college students find a means for responsible student action in their communities and more active involvement in the life of their colleges and universities. There are now active chapters at University Park, Altoona, Wilkes-Barre, and Hazleton Campuses. The convention will be held at the Embers Motor Lodge in Carlisle in March. Dean Quinn will talk on the "Role of Colleges and Universities in Responding to Community Needs."

CAPITOL CONFERENCE

A one-day teachers' conference on "Common Sense in Teaching Reading" will be held at Capitol Campus Saturday, March 8. It is aimed at improving the teaching skills of elementary and junior high school teachers. The main speaker will be Dr. Wayne Otto, chairman of curriculum at the University of Wisconsin.

HERSHEY PRUDES

At the Hershey Medical Center, they have been distributing buttons labelled

"I Am A Prude" to all of those who choose the low-cholesterol diet meal in the Center's cafeteria. During the National Heart Month program, which has the slogan "The Prudent Diet — A Practical Approach to a Healthy Heart," the Hershey cafeteria is emphasizing low-fat foods prepared from American Heart Association cookbook recipes. Hence, the buttons. The typical cafeteria dinner has stuffed chicken breast, baked potato, vegetable, tossed salad, fresh fruit, skim milk, polyunsaturated margarine, and beverage.

WINNING CHAPTER

The National Society of Mining Engineers presented its Outstanding Student Chapter award to the Penn State chapter at the national meeting, Feb. 16-20, of the American Institute of Mining, Metallurgical and Petroleum Engineers. The award is based on an annual report of chapter activities.

DELAWARE BENEFIT

A Mont Carlo Night was staged last week (Feb. 14) at Delaware County Campus for the benefit of four children of one family left without a mother recently in tragic circumstances. Area organizations gave help in the event, during which play money was employed in games of roulette, blackjack, and others, and the winnings, if any, used in an auction to bid on items donated by merchants. Money from an admission charge and refreshment sales will be turned over to a fund set up to aid the children.

The Pollock-South and East branch undergraduate libraries will close for term break at 5 p.m. on Saturday, March 1. They will reopen at 9 a.m., Thursday, March 13 and resume regular hours.

New transcript rules are announced

A student or graduate requesting his transcript from the Records Office at the University may obtain it in person if he can provide proper identification. He also may have it mailed if he has his request notarized. Telephone calls for transcripts will not be accepted.

These changes, now in effect, result from the impact of state-saving devices on the new Federal Law, titled the Family Educational Rights and Privacy Act of 1974, better known as the Buckley Amendment, says Elwood M. Wagner, records officer.

Information needed to provide a trans-

cript, he explains, are Social Security number, complete legal name as contained on the academic record, prior names, if any that may have appeared on the record, dates of attendance, and classification of coursework, such as undergraduate, graduate, continuing education, adjunct, correspondence, non-degree graduate, unit, real estate or insurance course work, etc.

The name and address where the transcript is to be mailed also are needed, as well as the return address of the person making the request. Official transcripts cost \$1 each and check or money order must accompany the request.

Water conservation program in April

Water conservation in the home to reduce sewage waste and other related topics will be discussed during a conference at the University April 8, 9, and 10.

The main purpose of the conference is to review the state-of-the-art of water-saving devices with emphasis on research and development needs.

Subjects to be discussed will include the impact of water-saving devices on water use, wastelands, sewage treatment, and energy consumption.

N. Henry Wooding, Extension agricultural engineer at Penn State, says people interested in attending this conference will include: local government officials; waste water treatment and water plant operators; planners and planning commission mem-

bers; land developers; home building contractors; well drillers; consulting engineers; researchers in water pollution and waste conservation; managers of public-owned and private recreation areas; mobile home manufacturers and court operators; and members of such organizations as the Water Pollution Control Federation.

Personnel working in and associated with federal, state, and local home financing agencies and organizations, the Department of Environmental Resources, and county health departments have an opportunity to gain new knowledge about conservation of water in homes.

"We hope the Conference will help us in solving some of our sewage and waste disposal problems by reducing water discharge as sewage," says Wooding.

Enrollment deadline Feb. 21

Everyday family problems course

A new course designed to enable parents to deal more effectively with the everyday problems that occur in families will be offered at the University. Deadline for enrollment is Friday, Feb. 21.

The course, entitled "Family Communication and Parenting," was developed by Dr. Judith Frankel D'Augelli, research associate, and Joan Weener, research assistant in the Department of Counselor Education.

"The goals of this course," Dr. D'Augelli said, "are to help parents learn ways of reducing frustrations and gaining increasing satisfaction with their families. In addition, the course includes discussion of what parents can do to help prevent alcohol and drug abuse within the family."

Class groups, consisting of 12 to 14 people, will meet for two hours once a week for nine weeks, with the first session scheduled to take place the week of March 10.

There is no enrollment fee for the course, which is sponsored as part of a larger grant from the Governor's Council

on Drug and Alcohol Abuse to the Department of Counselor Education.

According to Dr. D'Augelli, it is one of several courses being evaluated as new approaches to preventing drug abuse and enhancing future development in children.

"There is increasing evidence pointing to what parents can do to promote positive development in their children while simultaneously helping to discourage alcohol and drug abuse," she said.

"It is encouraging that many parents seem to recognize this. It also is encouraging that parents who have 'graduated' from the course have said that they wish such a program had been offered years ago."

Enrollment in the course is open to parents who have at least one child in the first through sixth grade. Certificates of participation will be presented to each parent who completes the program.

Persons wishing to enroll or desiring more information on the course may contact Joan Weener at the Addictions Prevention Laboratory, 237-1427.

As part of geometry course

DYA students build geodesic dome

Geometry, students in the Developmental Year Academic Program at the University have discovered, has its practical uses and can be fun as well.

As part of their course in geometry, a group of 19 students built an 11-foot high geodesic dome in the ballroom of the Hetzel Union Building recently. Known as an alternate breakdown dome, the 20-sided figure is made up of triangles forming a three-frequency icosahedron. The struts are joined with pentagonal and hexagonal pieces.

When finished, the dome was partially dismantled and moved to a private property, to be covered with plastic and used as a greenhouse. The owner provided the lumber used in the project.

Design and construction of the dome gave students experience in measuring angles, determining the types of angles to use in arriving at the desired curve, and the relationships among the various sizes.

Working in groups, the students divided the tasks required for building the dome. One group made the computations necessary to determine the measurements for the pieces of wood, while another group searched out the lumber and tools and cut the struts to the required size. A third group checked out the stability of the dome (to be set in place permanently with

rods and cement), and all groups constructed the 5/8th of a dome.

For only one operation, requiring a special tool and cutting technique, they sought the assistance of Merrill Meshan, assistant professor of industrial arts education and doctoral candidate at the University.

During the course, each student is required to participate in three of five projects, which are being displayed in the Hetzel Union Building until the end of this week. The geodesic dome is the most ambitious of the projects.

The class is taught by Lewis Hirsch, instructor in mathematics for the Developmental Year Academic Program. Mrs. Kay Hudspeth is coordinator of mathematics for the program.

HUB specials

- Monday, Feb. 24 — Lunch, baked meatloaf, \$1.40; dinner, chicken Brunswick, \$1.30.
- Tuesday, Feb. 25 — Lunch, grilled ham and cheese sandwich, soup, \$1.20; dinner, sweet and sour pork with rice, \$1.14.
- Wednesday, Feb. 26 — Lunch, barbecue on a bun, \$1.41; dinner, Salisbury steak, \$1.43.
- Thursday, Feb. 27 — Lunch, lasagna, \$1.27; dinner, stuffed lamb steak, \$1.71.
- Friday, Feb. 28 — Lunch, fishwich with slaw, \$1.10; dinner, Italian sirloin and macaroni, \$1.29.

HUB food service closed until March 10.

PENN STATE intercom

Volume 4, Number 24

February 27, 1975

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

By Institute for the Arts and Humanistic Studies

Fourteen given research fellowships

Fourteen University faculty members from the College of Arts and Architecture and the College of the Liberal Arts have been awarded research fellowships by the Institute for the Arts and Humanistic Studies.

Research fellowships are awarded to permit faculty members to further their research and creative work.

Faculty members awarded fellowships for either the Summer or Fall Terms, 1975, are:

Dr. Gerard J. Brault, professor of French, for completion of a book manuscript for an edition of "The Song of Roland."

Dr. Robert Cohn, assistant professor of religious studies, for the exploration of the literary treatment of geographical phenomena deemed sacred by tradition.

Dr. Anthony Cutler, professor of art history, for continuing studies of the aristocratic painter in Byzantium.

Dr. William J. Duker, III, associate professor of history, for a study of Vietnamese nationalism since 1941. This will complement the author's study (now in press) of Vietnamese nationalism prior to 1941.

Burt L. Fenner, associate professor of music, for computer-assisted control of electronic synthesizers with capability of real-time performance.

Dr. Roland E. Fleischer, professor of art history, for a critical biography of Gustavus

Hessellius, a colonial American painter.

Dr. Thomas A. Hale, assistant professor of French and comparative literature, for development of a dictionary of African terminology found in the works of leading African writers using Western languages.

Bill Hanson, assistant professor of art, for the creation of a series of acrylic paintings.

Dr. Nicholas A. Joukovsky, assistant professor of English, for continuing research for an edition of the letters of Thomas Love Peacock.

Gerald Lang, assistant professor of art, for photography of parklands and their use as recreation areas.

Dr. George L. Maurer, professor of art history, for a study of the paintings in oil and tempera of Cuno Amiet.

Dr. Mark R. Peattie, assistant professor of history, for research on the Japanese colonial experience, 1895-1941.

Linda Plotkin, assistant professor of art, for continuing work on lithographs dealing with small towns in Pennsylvania.

Roy S. Vollmer, assistant professor of architecture, for "Epidemic House" — an architectural experiment.

A limited number of fellowships will be available for the Winter and Spring Terms. Interested faculty members should submit their applications to the Institute before Sept. 12.

Eight women resource for arts course

Eight women prominent in the creative arts will appear in a series of public evening lectures, demonstrations, recitals and readings during the Spring Term.

Sponsored by the Institute for the Arts and Humanistic Studies, they have been invited to participate as distinguished resource persons in an experimental "Women and Creativity" course.

In addition to their contributions to the course, they will make the following public presentations:

Gwendolyn Brooks, Pulitzer Prize-winning poet, will read from her work Tuesday, Mar. 25, at 8 p.m. in the Black Cultural Center.

Megan Terry, playwright, will read from her work and offer commentary Wednesday, April 2, at 8 p.m. in 101 Kern Graduate Bldg.

Pat Carroll, actress, will present an informal lecture and performance Tuesday, April 8, at 8 p.m. in 101 Kern Graduate Bldg.

Valentina Litvinoff, choreographer, will offer a lecture and demonstration Wednesday, April 16, at 8 p.m. in White Hall.

Dorothy Pixley Rothschild, musician, will perform with the Thalia Trio Wednesday, April 23, at 8 p.m. in the Recital Hall, Music Bldg.

Pauline Oliveros, composer, will present "An Evening of Sonic Meditation with Pauline Oliveros," Tuesday, April 29, at 8 p.m. in 112 Kern Graduate Bldg.

Alice Neel, portrait painter, will present a slide-lecture Monday, May 5, at 8 p.m. in 112 Kern Graduate Bldg.

Elaine de Kooning, abstract painter, will offer a slide-lecture Tuesday, May 13, at 8 p.m. in 112 Kern Graduate Bldg.

In addition to the guest presentations, there will be a showing of the film "Antonia," about the woman composer Antonia Brico, April 24 and 25 at 8 p.m. in 112 Kern Graduate Bldg.

Several other exhibitions will be offered in conjunction with the course, including:

American women writers from 1600 to the present, in the Rare Book Room of the Pattee Library; Feb. 10 until the end of March.

Local women artists, in the East Gallery of Pattee Library; exhibited during the month of May.

Prints, drawings and photographs by University graduate students, in the Commons Gallery, Kern Graduate Bldg., April 1 to 19.

Comments asked on smoking

The University Council subcommittee studying problems related to smoking in classrooms, and other areas, invites interested members of the University community to provide written comments which they believe the subcommittee may find helpful in developing its policy recommendations and its recommendations for implementation.

The subcommittee requests this information in writing addressed to the University Council Subcommittee, 111 Arts Building. To be useful, the subcommittee will need this material by March 25.

Grade inflation report in Senate

In addition to a report on proposed promotion and tenure policies (see page 2 of INTERCOM), the University Faculty Senate at its March 4 meeting will receive an informational report on grade inflation.

The report was developed by the Grado Distribution Subcommittee of the Senate Academic Affairs Committee. The subcommittee was established last year to investigate the distribution of grades at Penn

State and collect information on grade inflation from other colleges and universities.

The Senate also will consider a recommendation from the Academic Affairs Committee concerning the use of final exams.

Under informal legislative business, the Senate will consider proposed guidelines for the use of the University mailing system.

Tickets available for dance concert

The second annual concert of the Contemporary Dance Company of the University will be held Saturday and Sunday, March 15 and 16 in Schwab Auditorium. Performances will be given at 8:30 p.m. on both days.

Tickets for the performances will go on sale Wednesday, Feb. 26, at three locations: White Bldg. and Kern Graduate Bldg., on the campus and The End Result on South Allen St. Tickets are priced at \$1.00 for students and \$2.00 for general admission.

The Contemporary Dance Company was formed in 1973 under sponsorship of the College of Health, Physical Education, and

Recreation. Patricia Heigel Tanner and Gail Devereaux, members of the University faculty, are the directors along with Larue Allen, University alumna who is director of the Central Pennsylvania Dance Workshop in State College.

The 1975 program includes five numbers: "Mansions," a portrayal through modern dance of creatures, vampires, Zombies, and people; "Field Study," a pastorella in seven movements; "Selected Poems from 'Knots,'" by R. D. Laing; "ZMWVXIII (Parade)" and "Shake, Rattle and Roll." Music for "Selected Poems" and "Field Study" was composed by Bruce Trinkle, assistant professor of music.

Simmons scholarship nominations due

Nominations of a woman graduate student for the Lucetia V. T. Simmons Graduate Scholarship provided by the local chapter of the American Association of University Women are being accepted now by Dr. B. F. Howell, Jr., associate dean of the Graduate School, Room 317 Kern. The deadline for submission of the nomination, accompanied by a graduate transcript, is March 12. The materials will be referred to the Graduate School Committee on Fellowships and Awards for evaluation.

Dr. Simmons, presumably the first woman to have held the rank of full professor at

Penn State, was a former president of AAUW, and it is she for whom Simmons Hall is named. She was head of the German Dept. for 20 years.

The Simmons award is made on the basis of past scholarly accomplishments and promise of future achievement, with financial need as a secondary consideration. The nominee should have been in residence for at least three terms of graduate work and have completed at least 24 graduate credits.

The award is expected to be \$200 this year.

Calendar

Feb. 27-March 2

Special events

Friday-Saturday, Feb. 28-March 1 — Sports: NCAA Eastern Independent Wrestling Tournament, Friday at 12 noon and 6 p.m.; Saturday, 1 and 7 p.m., Rec Hall. PIAA Swimming Championships, 7:30 a.m., Natatorium.

Saturday, March 1 — Sports: Women's riflery, vs. Kutztown, 2 p.m.
Sunday, March 2 — Phyllis Triolo, piano recital, 3 p.m., Gallery C, Museum of Art.

Official

Thursday-Saturday, Feb. 27-March 1 — Final examinations.
Sunday, March 2 — Residence Halls close for Winter Term, 3 p.m.

Exhibits

Museum of Art — Will Barnett Retrospective: Etchings, Lithographs, Woodcuts, and Serigraphs, Gallery A. Carlo Maratti and His Contemporaries: Drawings from the Roman Baroque, Gallery C.
Zoller Gallery — Cook/Porter Invitational Student Sculpture Show, Gallery C, through Feb. 28.
Pattee Library — "Surrealism in Portugal," an exhibit of art in photographic reproduction, through Feb. 28.

Lecture

Thursday, Feb. 27 — "Energy Parks in Pennsylvania," by Edward F. Reis, manager of system planning, Pennsylvania Power and Light Co., 2 p.m., Room 112 Kern, sponsored by the intercollegiate Graduate Program Committee on Energy Sources and Utilization.

Retirement option ends May 31st

Regular full-time University faculty and staff members who joined the State Employees' Retirement System prior to September 1, 1974, are reminded that May 31, 1975, is the final day by which all changes from the State retirement system to the new optional alternate retirement plan, TIAA, may be made. This option is provided by Act 31 of the 1974 session of the Legislature and was first made available to all University faculty and staff members on September 1, 1974.

Anyone considering a change to TIAA should contact his or her Personnel Representative, the Business Manager if employed at one of the Commonwealth Campuses, the Personnel Office for those employed at the Hershey Medical Center, or the Employee Benefits Division, 133 Willard Building. The proper applications, including the application to withdraw contributions from the state system, may be obtained from any of these areas.

Report to the University Senate

by the Subcommittee on Rank and Tenure, Standing Committee on Faculty Affairs

"Proposed Promotion and Tenure Policies"

March 4, 1975

The following report by the Subcommittee on Rank and Tenure of the Faculty Affairs Committee will be submitted to the University Faculty Senate at its meeting March 4 and is presented here for the information of the general faculty. The co-chairmen of the subcommittee were Drs. George Andrews and Marvin Rosen; Dr. Alfred J. Engel was chairman until August, 1974. The chairman of the Faculty Affairs Committee is Dr. G. Edward Phillips.

The Faculty Affairs Committee welcomes comments from members of the faculty and questions may be directed to any member of the Committee or submitted through the University Faculty Senate Office in Willard Bldg. Committee members include, in addition to Drs. Rosen, Andrews, and Phillips, John C. James, Jr., Duane, Caroline Eckhardt, Nicholas Gavrilis, William Golotsky, Edwin Herr, Charles Hill, Evelyn Hovance, Daniel Kalkin, John Lucas, Alfred Pray, Herman Rickley, Alfred Triolo, and Dwight Younkin.

I — Preamble

The promotion and tenure policies of the University should contribute to academic excellence. An equitable and widely-understood process and tenure system ensures that considerations of academic quality will be the basis for academic personnel decisions.

Tenure is the keystone for academic freedom; safeguarding the right of free expression and risk-taking is the basis for tenure. Both tenure and academic freedom are bound to an implicit social compact which recognizes that the responsibility for the important public purposes and provides great benefits to society; the ultimate justification for tenure rests on the bedrock of its social utility. Additionally, a well-designed tenure and promotion system attracts capable and highly qualified individuals as faculty members, strengthens institutional stability by enhancing faculty members' institutional loyalty, and encourages academic excellence by retaining and rewarding the most able people. Tenure and promotion imply selectivity and choice; they are awarded for academic and professional merit, not for seniority.

A formal statement of criteria for tenure and promotion is necessary but not sufficient for the task. The wide variety of academic and professional fields, and the broad range of programs within the University, make the development of detailed criteria, equally applicable to all fields, an unrewarding effort. Rather, general and broad guidelines will permit the exercise of skilled professional and academic judgment in their interpretation and application.

For promotion and tenure procedures to be legitimized, they must be open, within considerations of individual privacy, and equitable. The general policies and procedures to be used should be made widely known within departments, campuses, and colleges. Regular review of faculty members will help to ensure the openness of the tenure and promotion process and will provide feedback crucial to faculty development and growth.

Faculty members have a primary responsibility in providing the evaluations of merit which normally determine the academic personnel decision-making process, including appointment, promotion, and tenure. This responsibility involves the application of academic and professional judgment, in a framework of shared authority, among various levels of review and between faculty and administrative bodies.

Within the procedures for granting or denying tenure and promotion, the presumption is that recommendations based on the professional expertise and competence of the faculty will usually be heeded. Where the findings of the various groups differ, there is an implicit responsibility to explore the reasons for divergence. In this way administrators and faculty can sustain vigorous and responsible participation, and standards of excellence and quality can be maintained.

The promotion and tenure procedure consists of several levels of judgment and review: the department (or comparable academic unit), the Commonwealth Campus, the college, and the University. The initial review will usually take place at the level of the department (or campus as appropriate) and will focus on professional and scholarly judgments of the quality of the individual's academic work. Subsequent levels will bring broader faculty and administrative judgment to bear and will also monitor general standards of quality, equity and adequacy of the procedures used. At each level the review process will reflect the competence and perspective of the reviewing body.

Finally, tenure and promotion procedures are linked to five entities within the Pennsylvania State University: the University Park Complex, the Commonwealth Campus System, the College of Medicine at Hershey, the Capitol Campus, and the Behrend College (see section IV, 1). This statement, simply stated, recognizes the functional distinctions that result from the differing missions and operating characteristics of each. It does not imply their separation or isolation. Indeed, the integral character of the University is emphasized by the provisions made for the transfer of tenured faculty among, and the holding of joint tenure within, the above-named entities (see section IV, 13 (2)). These provisions are designed to encourage interchange and community.

II — Criteria for Tenure and Promotion

Promotion and tenure decisions are based on the academic judgments of faculty and academic administrators. The general criteria or principles outlined here must be applied to promotion and tenure decisions in light of a detailed knowledge of the specific goals of an academic program or organizational unit (e.g., department, Commonwealth Campus, college, and library) and the specific qualities and competencies of the individual. The University's common organization and the interrelationships of its constituent elements vital, since no one set of criteria can apply equally to all faculty members in all programs. Likewise, such diversity within the University entails promotion and tenure arrangements specifically tailored to the mission and organizational structure of its various academic units.

Recognizing the University's manifold responsibilities, however, should not diminish the central importance of teaching and scholarly activity, both understood in their broadest sense, in the academic decision-making process. In tenure and promotion decisions, as in other areas of choice, the University best serves itself and society by affirming the primacy of academic excellence in all of its functions.

An important part of the whole tenure and review process for faculty members is that all parties to the process share common expectations and understandings. Since general statements of principles will be broad and inclusive, each organizational unit shall develop its own specific expectations and standards as the operational basis for tenure and promotion decisions. Knowledge concerning these expectations and standards should be generally available, especially to newly appointed faculty members.

The review process for tenure and promotion is concerned with the academic and professional merits of particular candidates, judged in reference to all alternative candidates, including prospective faculty members. Tenure and promotion standards, therefore, cannot be fixed and absolute, but will reflect to some extent the varying competitive position of the University in attracting faculty. Accordingly, evaluations will be influenced by such considerations of relative standing. Likewise, progressively more exacting scrutiny will take place as the faculty member advances in academic rank.

Although the tenure and promotion process is geared, narrowly and properly, to evaluating individual performance, the changing needs and priorities of the institution may also affect the decision to grant tenure or award promotion. Both equity and the long-range interests of the institution, however, require directing primary attention to

University needs and priorities at the time of appointment and careful intermediate and longer range academic personnel planning.

Promotion and tenure decisions shall be based on the following criteria, which must be applied in light of the mission of the academic unit and the professional responsibilities carried by the faculty member. The criteria have purposely been made general in the expectation that each academic unit may further define and elaborate them:

1. **Teaching ability and effectiveness** — effective ability to convey subject matter to students; demonstrated competence in teaching and capacity for growth and improvement; ability to maintain academic standards; and to stimulate the interest of students in the field; evidence of student growth through counseling, advising and service to students.
2. **Research competence** — ability, usually demonstrated through publication and creative work, to carry out research of high quality and scholarly significance, including contributions to the arts, and the ability to train students in research methods and principles.
3. **Scholarship and mastery of subject matter** — evidence of thorough understanding of the field; maintenance of high levels of academic performance; recognized reputation in the subject matter field; evidence of continued professional growth.
4. **Service to the University and the Public** — evidence of participation in University, college, departmental, and unit affairs; competence in extending the University's specialized knowledge to the public; active contributions to professional organizations.

III — Review Procedures

GENERAL PROCEDURES. Primary responsibility for evaluation of the academic qualification of candidates for promotion and tenure rests with the faculty. There are three sequential levels in this review: peer review by the department (or comparable academic unit) including campus review as appropriate; review by the college; and review by the University.

All levels of review shall be concerned in some measure with both scholarly substance and quality and procedural adequacy and equity. Initial peer review (e.g., at the campus or departmental level) will focus on professional and scholarly judgments of the quality of the individual's academic work within his or her discipline or area. Reviews at the college level will bring broader faculty and administrative judgment to bear and will also monitor general standards of quality, equity, and adequacy of procedures used. Review at the University level will involve similar but less detailed evaluations and, in addition, will provide an essential all-University perspective. Consultation among review levels, by committees and academic administrators, should take place when there is a need to clarify differences that arise during the review process.

Each academic unit (e.g., department, Commonwealth Campus, college, and library) of the University should take responsibility for developing detailed review procedures, supplemental to and consistent with general University procedures, as guidelines for promotion and tenure. These procedures should be made known to prospective and current faculty members, as well as the general University community, and should reflect the organizational arrangements of each academic unit. Prior to formal consideration of a faculty member for tenure or promotion, evaluations should be conducted in the next year and no less often than biennially thereafter by the initial peer review committees. In the case of review of a faculty member on the Commonwealth Campuses, the appropriate department, college, and Commonwealth Campus have a joint responsibility for the review. The dean of academic instruction for Commonwealth Campuses has the overall responsibility to coordinate the procedural aspects of the review process for the Commonwealth Campus system.

The general results of the evaluation should be made known to the faculty member by the appropriate academic officer, and should indicate the extent to which colleagues judge that his or her performance, in comparison with others in the profession, meets high academic standards. The evaluation should include evidence to the faculty member in ways to improve performance. A record of the general nature of the review and the date of transmission to the faculty member shall be retained by the department head, dean, or appropriate campus academic officer.

COMPOSITION OF REVIEW COMMITTEES. When conducting the initial reviews only tenured faculty should make recommendations about candidates for tenure, and only faculty of higher rank than the candidate should make recommendations about promotion. In unusual circumstances, in which there are insufficient numbers of tenured and higher-ranked faculty, exceptions to this provision may be permitted by the provost on request by the academic unit. Two further observations should be noted. Initial tenure and promotion committees need not be identically constituted, for subsequent reviews, because of the absence of direct conflict of interest possibilities, rank and tenure restrictions on committee composition are not required.

Department and college committees shall consist of members of the faculty selected by procedures approved by the faculty of those units and by the dean of the college. Commonwealth Campus committees shall consist of members of the campus faculty selected by procedures approved by the faculty of the campus, the campus director, and the dean of academic instruction for Commonwealth Campuses. The faculty of the unit concerned should determine the size of the review committee, but in no case should a review committee consist of fewer than three members.

The University review committee on promotion and tenure shall consist of eleven members. Six of these members shall be elected by the Senate from a slate of nominees prepared by the Committee on Committees and Rules with provisions for nominations from the Senate floor. Two additional faculty members shall also be selected, by lot one each from among the recipients of the Lindback Award for Distinguished Teaching and the Evan Pugh Professors. The president of the University shall appoint to the committee three senior academic administrators. The election procedures as devised by the Senate shall be such that at least two members of the committee shall be from campuses other than University Park. Members shall be elected or appointed for two-year staggered terms to provide continuity to the committee's deliberations. All faculty members shall be eligible to serve.

APPOINTMENT, PROMOTION, OR PROGRAM REVIEW. The department committee shall normally provide the first level of evaluation for tenure and promotion using specific criteria appropriate to the faculty member's responsibilities (see section IV, 13 (2) for the possibility of holding joint tenure). The department head, after consultation, shall forward the committee's recommendations together with his or her own to the appropriate dean. If either the department committee or department head (or both) has [made] a positive recommendation for tenure or promotion, the dean shall forward all such recommendations to the college review committee. If the recommendations from the department committee and the department head are both negative, the dean shall determine whether to uphold the recommendations, or to transmit them to the college review committee for further consideration; if the recommendation at the departmental level is in regard to a Commonwealth Campus faculty member, the college dean's determination shall be made in consultation with the dean of academic instruction for Commonwealth Campuses. If the negative recommendations on tenure or promotion from both the department head and the department committee are upheld, the college dean, in regard to tenure decisions, shall notify the faculty member in writing (see section IV, 9); negative promotion decisions do not require such formal notification.

In the case of a faculty member on the Commonwealth Campuses, the evaluation by

a faculty committee on the campus shall be a part of the first level of evaluation. The campus director or appropriate academic officer, after consultation, shall forward the campus committee's recommendations together with his or her own to the dean of the respective academic college¹ and to the dean of academic instruction for Commonwealth Campuses. If either the campus review committee or the campus administrator (or both) has made a negative recommendation, the college dean shall forward all such recommendations to a department review committee, which for such cases should include majority representation of Commonwealth Campus faculty. In those cases in which it has been judged appropriate by a department and the respective college dean, the dean may transmit the recommendations directly to a college review committee. If the recommendations from the campus committee and the campus administrator are both negative, the college dean, in consultation with the dean of academic instruction for Commonwealth Campuses, shall determine whether to uphold the negative recommendations, or transmit them for further consideration. If the negative recommendations on tenure from both the campus committee and the campus administrator are upheld, the college dean, in regard to tenure decisions, shall notify the faculty member accordingly in writing (see section IV.3); negative promotion decisions do not require such formal notification.

In evaluating a candidate for promotion or tenure, the department committee should obtain the views of senior members of the candidate's academic unit. Furthermore, evaluations of teaching faculty for promotion and tenure shall be accompanied by documentation of student views. In many cases, evaluations by expert peers in other institutions may provide essential helpful information.

COLLEGE REVIEW. The college review committee shall review departmental and/or campus recommendations for promotion and tenure in light of college criteria, the quality of documentation, equity and procedural fairness, and shall forward its recommendations to the college dean. The college dean shall recommend candidates for promotion and tenure, and shall forward their names with accompanying documentation to the provost for transmittal to the University review committee. If the decision is made at the college level of review not to award tenure, the college dean shall notify the faculty member accordingly in writing (see section IV. 3); negative promotion decisions do not require such formal notification.

In reviewing Commonwealth Campus faculty, the college committee shall include majority representation of Commonwealth Campus faculty. The recommendations of the college committee, together with those from the department and campus, shall be forwarded to the college dean and to the dean of academic instruction for Commonwealth Campuses. The college dean, in consultation with the dean of academic instruction for Commonwealth Campuses, shall recommend candidates for promotion and tenure, and shall forward their names with accompanying documentation to the provost for transmittal to the University review committee. If the decision is made at the college level of review not to award tenure, the college dean shall notify the faculty member accordingly in writing (see section IV. 3); negative promotion decisions do not require such formal notification.

UNIVERSITY REVIEW. The University review committee shall review positive recommendations for promotion and tenure from the deans, supported by peer review evaluation at the department, campus, and college levels, in light of University criteria, the quality of documentation, equity and procedural fairness, and shall forward its recommendations to the provost for transmittal to the appropriate college dean. The dean shall then make the tenure decision, after appropriate consultation with the provost. The dean shall also make promotions to the rank of assistant professor. For Commonwealth Campus faculty, the college dean shall consult with the dean of academic instruction for Commonwealth Campuses. Promotions to associate professor, professor, and their equivalents, are made by the president. As appropriate for the decision, the dean or president shall notify in writing all concerned faculty members regarding the tenure or positive promotion decision (see section IV. 13 (3)).

Each dean shall also forward to the University review committee a summary of the general processes followed, the numbers of recommendations reviewed, and a judgment of instances of differences in judgment. The University review committee may also request from a dean such other information about particular cases that it deems necessary to perform its function.

IV — General Provisions

1. To Whom Policies Apply

Regulations governing academic tenure apply, subject to the exceptions specified in section IV. 2, to all members of the academic staff of The Pennsylvania State University holding full-time, regular appointments to the rank of professor, associate professor, assistant professor, senior research associate, research associate, librarian, associate librarian, and senior assistant librarian. Academic tenure applies only to the above ranks, and tenure shall be granted only in an academic college or in the University Park, in an academic college or in the University Library within the Commonwealth Campus system, in the College of Medicine at Hershey, in the Behrend College, or in the Capitol Campus.

2. Academic Appointments Not Subject to Tenure

The tenure provisions defined herein do not apply to the following academic appointments:

- Non-regular academic personnel (PS-5).
- Special faculty appointments, including "visiting" academic ranks (PS-6).
- "Adjunct" and "clinical" academic ranks and "faculty associates" (PS-7); "affiliate" academic ranks (PS-8).
- Academic appointments in areas other than an academic college, the Behrend College, the Capitol Campus, or the University Library.

These appointments are governed by the provisions of the appropriate University policies and by the terms specified in the Memorandum of Personal Service signed by each employee.

3. Tenure Status and Notification

Each appointment of an eligible person to the full-time regular rank of professor, assistant professor, associate professor, senior research associate, research associate, librarian, associate librarian and senior assistant librarian shall be provisional, as defined in section IV. 4, until notification in writing of change of status is sent to the appointee by the appropriate academic officer of the University. For a full-time regular faculty member serving a provisional appointment, such notification shall be made prior to the expiration of the sixth year, and shall indicate that the faculty member's expiration from the provisional period shall either have permanent tenure or be terminated. In the extraordinary circumstances that a faculty member is, through inactivity, not notified of his or her status prior to the end of the sixth year, standards of notice as specified in section IV. 8 (3) shall, nonetheless, be maintained. Notwithstanding this circumstance, failure to notify the faculty member of his or her status prior to the end of the seventh year shall result in an automatic grant of tenure.

A faculty member who is awarded tenure shall thereafter be terminated only for adequate cause, except in the case of retirement for age or under circumstances described in section IV. 10. The traditional privilege of academic freedom applies equally to all faculty members regardless of tenure status.

4. The Provisional or Pre-Tenure Period
The provisional appointment period in the University shall be 7 years. However, up to and including the equivalent of 4 years of professional service at other accredited institutions of higher learning, or in an earlier appointment at The Pennsylvania State University, may be applied toward this 7 year provisional period.

A faculty member who is promoted to the rank of assistant professor, research associate, or senior assistant librarian (or above) may, with his or her concurrence, and at the discretion of the appropriate administrative officer, be given up to four years maximum provisional status credit for time spent as an instructor, research assistant, or assistant librarian at this University.

An initial appointment as a full professor may be made with grant of tenure, with the concurrence of the provost and the president of the University.

Under exceptional circumstances, the provisional period of a faculty member may be less than seven years subject to the concurrence of the provost and the president.

5. Equivalence of Ranks and Positions

LIBRARIAN, ASSOCIATE LIBRARIAN, SENIOR ASSISTANT LIBRARIAN. Appointments to these positions correspond to regular faculty appointments concerning promotion and grant of tenure as follows: the rank of librarian corresponds to professor, associate librarian to associate professor, and senior assistant librarian to the rank of assistant professor.

SENIOR RESEARCH ASSOCIATE AND RESEARCH ASSOCIATE. Appointments to these positions correspond to regular faculty appointments concerning promotion and grants of tenure as follows: the rank of senior research associate corresponds to associate professor, and the rank of research associate corresponds to assistant professor.

6. Appointment Without Tenure or Not Tenure
Exceptional appointments, that are non-continuing or on restricted funds, may be exempted from the tenure system on mutual agreement of the proposed appointee and the program head, and with the concurrence of the appropriate dean and the provost of the University.

7. Computing Years of Credit Toward Tenure

In order for faculty to be eligible for administration of the tenure review procedures, there shall be a common tenure anniversary date of July 1 for all tenure-eligible academic appointments. This tenure anniversary date will not necessarily coincide with the faculty member's date of initial appointment. A year of credit toward tenure is earned in any year in which a tenure-eligible faculty member has full-time active employment status for no less than six months between July 1 and June 30.

Since the purpose of the provisional period is to provide an opportunity for observing the faculty member, the time spent on leave of absence will not be considered as part of the provisional period.

8. Notice of Non-Reappointment and Termination

Standards for notice of non-reappointment for tenure-eligible positions are as follows:

- Not later than December 1 of the first academic year of service if the appointment expires at the end of the academic year.
- Not later than December 15 of the second academic year of service if the appointment expires at the end of the academic year.
- After two or more years of service in the University, twelve months before the end of the academic year.

9. Standing Joint Committee on Tenure

Cases of substantive dispute involving the termination of a tenured appointment for cause or for reasons of financial exigency or program elimination or revision as specified in section IV. 10, or the release of a faculty member during the provisional appointment period with less advance notice than that specified in section IV. 8, shall be considered by the Standing Joint Committee on Tenure. The Standing Joint Committee on Tenure will act in an advisory capacity to the president of the University.

The Standing Joint Committee on Tenure shall consist of five members: two members representing the administration, two faculty members selected by the elected members of the University Senate, and a fifth member, the Chairman, chosen by the other four. In the case of termination for cause, the faculty member shall, before the hearing, be informed in writing of all charges, and all charges and other scholars from his or her institutions. The Committee's report and recommendations shall be submitted to the president of the University.

10. Financial Exigency and Program Elimination or Revision

A tenured or other appointment may be terminated for demonstrated financial exigency. If a tenured appointment is terminated because of financial exigency, the released faculty member's position shall not be filled by a new appointment within a period of three months unless the released faculty member has been offered and has not accepted the re-appointment.

A tenured appointment may also be affected in an extreme case because the University, for compelling reasons and after due academic consideration, including consultation with the Senate, eliminates or substantially revises the program within which falls the faculty member's normal range of duties. Careful forward program and academic personnel planning, with phased adjustments over time, should operate to limit the necessity to terminate a tenured appointment. In the case of program elimination or substantial revision affecting a tenured faculty member's appointment, a good faith effort shall be made to continue the faculty member concerned in a comparable position within the University, based upon the individual's competencies and the capabilities of the University. A tenured faculty member terminated for reasons of program elimination or revision shall receive his or her salary for one year from the date of termination.

11. Definition of Adequate Cause

A tenured faculty member may be dismissed for adequate cause (see section IV. 9). Adequate cause shall include lack of competence or failure to perform in relation to the functions required by the appointment, excessive absenteeism, moral turpitude, or grave misconduct. Dismissal will not be used to restrain faculty members in their exercise of academic freedom or other rights of American citizens. Standards of notice as specified in section IV. 8 are not required in cases of dismissal for adequate cause.

12. Administrative Personnel

Administrative personnel who hold academic rank may qualify for academic promotion and tenure by virtue of their academic merit and promise, according to the criteria of the University and the appropriate academic unit. Tenure applies only to the faculty appointment and not to the administrative position. Appointment of affiliate academic ranks outside of the tenure system may also be appropriate (see section IV. 2).

13. General Policies and Procedures

(1) The precise terms and conditions of every appointment shall be stated in the contract and in the possession of both the University officer making the appointment and the faculty member being appointed before the appointment is consummated. Prior to appointment, all faculty members shall be informed of the University's policies and the procedures concerning promotion and tenure.

(2) All tenured or tenure-eligible appointments are made in an academic college or the University Library at University Park, in an academic college or the University Library within the Commonwealth Campus system, in the College of Medicine at Hershey, in the Behrend College, or in the Capitol Campus. With the mutual consent of the individual and the appropriate academic officer, and subject to the concurrence of the provost and the provisions of section IV. 10, tenured faculty members may retain their tenure status among the above-named academic units of the University. In addition, tenured appointments may be jointly held at two or more of the above-named academic units if the tenure conditions and procedures applicable to each are fulfilled.

(3) Promotion to the rank of assistant professor, or the equivalent, its mode and tenure awarded by the appropriate dean. Promotion to the rank of associate professor and professor, or the equivalent, are authorized by the president of the University. Faculty members being reviewed for promotion and tenure shall be notified in writing by the appropriate dean in cases of tenure and promotion to assistant professor or the equivalent, and by the president of the University in cases of promotion to associate professor or professor.

(4) At the time of initial appointment of a faculty member to a tenured or tenure-eligible position in the University, the appointment must be covered in the total General Fund Budget of the college or campus in which the appointment is held. Exception to this provision may be made by the provost when it has been adequately demonstrated that other funding sources exist which indicate full continuing coverage of costs associated with tenure.

14. Effective Date of Policy

The effective date of this policy shall be July 1, 1975. This policy shall apply in its entirety to all full-time regular academic personnel, except that when any provision of this policy infringes upon pre-existing substantive policy rights applicable to personnel appointed prior to July 1, 1975, the previous University policy shall apply.

15. Policy Review and Amendment

The provisions of this policy shall be reviewed periodically by the University administration and the University Faculty Senate.

¹For the purpose of this policy, the term college dean is inclusive of dean of University Libraries.

PENN STATE intercom

Volume 4, Number 25

March 6, 1975

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

Dr. Farrell to leave post by Sept. 1

Affirmative Action officer sought

The University is now accepting nominations and applications for the position of Affirmative Action Officer. The Provost has appointed an advisory search committee for the position to be chaired by Dr. E. R. Melander, assistant vice president for undergraduate studies. Applications and nominations for the position may be forwarded to the chairman in Room 117 Old Main by no later than March 20, 1975.

The Affirmative Action Officer is a University administrator responsible to the Provost for the continuing development and implementation of the University's Affirmative Action program. The Affirmative Action Office has the responsibility for keeping abreast of state and federal equal opportunity legislation and assuring that the University's programs and activities are consistent with such legislation.

Preferred qualifications for the position of Affirmative Action Officer include a doctorate or similar degree with significant experience in higher education teaching or administration and with a comprehensive knowledge of the functions of a complex university.

Dr. Patricia Farrell, who has held the position for the past two years, plans to return full time to her duties as assistant professor of recreation and parks not later than Sept. 1.

Based on work completed by Dr. Farrell, the University last October signed with the Department of Health, Education, and Welfare, a Memorandum of Understanding which was followed in November by the filing of an Affirmative Action Plan for the University. The memorandum and plan followed three years of work by University officials in plan submission and Office of Civil Rights review.

Also developed during the first two years of the Office was a realistic mechanism for handling complaints of discrimination, a system which, like the Affirmative Action Plan of the University, has attracted the attention of many colleges and universities.

Although a plan has been completed, the Affirmative Action program is a continuing one, reminds Dr. Russell E. Larson, provost, who has staff responsibility for the program.

New diploma plan is authorized

Effective with the 1975 Summer Term, graduating seniors will be able to receive their diplomas at the Campus where they began their college careers. If they wish to do so, rather than at University Park, under a new policy announced by Dr. Russell E. Larson, provost.

To make the change, students must notify the vice president for undergraduate studies well in advance of the date of the graduation exercises to allow for the inclusion of names in the Campus commencement program.

Dr. Larson said the revised graduation policies also provide for post-baccalaureate students to receive the appropriate diploma at the end of the term in which all degree requirements are completed, rather than wait until the next commencement exercises. Such students may subsequently return to the campus at which degree re-

quirements were fulfilled and participate in the next commencement exercises, although they had already received their diploma.

An associate degree students will receive their diplomas at the end of the term in which all degree requirements are completed. They subsequently may return to the Campus where the requirements were fulfilled and take part in the next graduation exercises.

The plan also stipulates that students who complete requirements for an associate degree at a Commonwealth Campus at a time other than when graduation exercises are held at that Campus may participate in the next commencement exercises at University Park if they wish to do so and if they satisfy all degree requirements and give sufficient advance notice of their desire to participate.

Calendar March 6-16, 1975

(Note: This information is in addition to that provided in the Term Calendar on Pages 2 and 3.)

Seminars

Wednesday, March 12 — Biochemistry, 4 p.m., Room 101 Altohouse. Dr. Robert Davies, Benjamin Franklin Professor of Biochemistry, University of Pennsylvania, on "Energetics of Muscle Contraction."

Thursday, March 13 — Engineering Acoustics, 4 p.m., Room 165 Willard. Jerry G. Lilly on "Electro-Acoustic Feedback in Rectangular Reverberation Chambers."

Thursday, March 13 — Chemistry, 12:45 p.m., Room 333 Whitmore. John Siddall, Zocon Corporation, on "Insect Juvenile Hormones."

Thursday, March 13 — Individual and Family Studies, 3:45 p.m., Room S-131 Human Development. Marlan Radke Tarrow on "The Emergence and Functions of Prosocial Behaviors in Young Children."

Skating program to begin March 13

Spring ice skating programs at the University Ice Rink will begin Thursday, March 13, announces Kurt Oppelt, instructor in physical education who is in charge of the programs.

Oppelt says that five lessons will be offered to both adults and children during March and April for a fee of \$20, which includes not only a one-hour lesson but rental of skates and the entrance fee for the free-skating session which follows the lesson.

The adult program will be offered Thursdays from 7:30 to 8:45 p.m. on March 13, 20, 27, April 3, 10. Children's classes will be given on Saturdays from 1 to 2 p.m., March 15, 22, 29, April 5, 12.

Registration may be completed by calling 237-6473 or at the Ice Pavilion Office up to an hour before the first lesson.

Oppelt has also announced that a special Olympics will be held April 12, from 11 a.m. to 12:30 p.m. at the Ice Rink.

Research staff pool

The University annually receives grants for projects designed to fulfill specific research responsibilities. Often the research grant or project is of relatively short or temporary duration.

In most instances, University project administrators must react quickly in making selections of support staff personnel for their projects. Therefore, it is desirable to have an available pool of faculty and staff members who are interested in applying for such research support staff positions.

This announcement is made so that qualified individuals may make their interests known. The types of temporary research support staff positions typically available are: Senior Project Associate, Project Associate, Project Assistant, Senior Research Technologist,

Research Technologist and Research Technician.

The types of discipline backgrounds required vary depending on the projects involved. They may include physics, engineering, agriculture, mathematics, chemistry, but are not limited to these areas.

If you apply, your name will be placed in the pool of candidates that will be considered as such opportunities arise. An announcement similar to this will be made each six months.

If you feel that you are interested in and have background related to typical University research projects, you may apply now or in the future for such temporary research support staff positions by calling the University's Employment Div., 865-1387 (network 475-1387).

Commencement exercises Saturday

Members of the faculty who will take part in the Commencement Exercises, in academic dress, will meet under the south balcony of Recreation Building at 10:15 a.m., Saturday, March 8, fifteen minutes before the exercises begin.

More than 1,550 degrees will be conferred: 1,280 baccalaureate, 219 master's, and 59 doctorates. Eight seniors will re-

ceive commissions in the Army, Air Force, or Marine Corps, through completion of one of the R.O.T.C. programs.

President Oswald will confer the degrees with Dion C. Stewart representing the Board of Trustees. Stewart is an appointee of Gov. Shapp on the Board. He will also receive a master's degree in mineralogy and petrology.

News in brief

STUDENTS EXHIBIT

Two students of Bill Hanson, assistant professor of art, will show their work in Zoller Gallery at the University beginning Thursday, March 13. Paintings by Walter Zimmerman and Mark Dame will be on view through March 22. A McKeesport native, Zimmerman is a 1974 graduate of Penn State with a degree in theatre. He has exhibited in group shows in California and Indiana and locally in Art Alliance and Central Pennsylvania Festival of the Arts exhibitions. Dame is an undergraduate art major. Awarded a first prize for drawing in the 1974 Art Student Show, he has shown work in Harrisburg and recently exhibited in the Cook/Porter Student Invitational Sculpture Show in Zoller Gallery.

RETIRED STAFF CLUB

The 16th meeting of the Retired Staff Club will be held Thursday, March 13, in the St. Andrews Parish Life Center at 7:30 p.m., with Mrs. Franklin H. Cook, coordinator of the Centre County Voluntary Action Center, as speaker. She will talk on "You Have Something Money Can't Buy." All University retired staff and faculty members are eligible to join the Retired Staff Club. Members planning to attend this meeting should make reservations three days in advance by calling Ruth Rohrbach, 237-2024.

DELAWARE CONTRIBUTION

Students at Delaware County Campus presented a check for \$400 to the Metzger Family Fund as the result of their "Monte Carlo Night" program recently. The mock casino-style gambling and auction was sponsored by the Student Government Association and Keystone Society. The fund is for the benefit of four boys left without parents in a tragedy last year.

PRESS BOOK

"Adrift Among Geniuses," a biography of the writer and publisher, Robert McAlmon, by Sanford J. Smoller, has been published by the University Press.

The son of a Kansas Presbyterian minister, McAlmon became a central figure among the Paris expatriates of the Lost Generation. Although little of his writing has been recognized, he is primarily noted as the publisher of Contact Editions, a financially unsuccessful but artistically fruitful venture which published the early works of many authors who were later to become well-known.

McAlmon's life is explored through his writing, through the memoirs, autobiographies, and biographies of his contemporaries; and through his correspondence with such figures as Ezra Pound, Kay Boyle, H.D., William Carlos Williams, Katharine Anne Porter, and Sylvia Beach.

ARTISTS SERIES

Vladimir Ashkenazy, Russian-born pianist who in the past nearly two decades has given outstanding performances in recital or with orchestras, will be featured on the Artists Series Sunday, March 16, at 8:30 p.m. in University Auditorium. A few tickets, not sold previously to season ticket holders, will be available for public sale Tuesday, March 11, at University Auditorium and the HUB. They are priced at \$4.75 for the general public.

TROMBONE RECITAL

A recital of avant-garde music for trombone will be performed by Michael Powell, music graduate student, at 8:30 p.m. Friday, Mar. 14, in the Music Bldg. recital hall at the University. Powell, an MFA candidate, will present works composed in the last decade by contemporary composers Cox, Druckman, Berio, and Alsiina. Tape accompaniment will be heard in the Cox "Diachronic" and the Druckman "Animus I", with the remaining pieces to be performed solo.

Saturday, April 12
 Coll. vs. George Washington, 1 p.m.
 Lacrosse, vs. Syracuse, 8 p.m.
 Nitrary Lion Track and Field Relays, 1 p.m.
 Hetzel Union Board Arts and Crafts Festival, room to 4 p.m., HUB ballroom.
 NAAD Show, Natatorium.

Sunday, April 13
 Penn State Glee Club and Carlow College choir, 3:30 p.m., Music Bldg. recital hall.
 Hetzel Union Board Arts and Crafts Festival, noon to 4 p.m., HUB ballroom.
 Penn State Concert Blue Band program, 3 p.m., University Auditorium.
 Chapel Service, 11 a.m., Eisenhower Chapel, Rev. Leon B. Hall, Pastor, Black Christian Fellowship.
 Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.
 University Readers, 7 p.m., Room 112 Kern.

Week of April 14

Monday, April 14
 Mary Ann Frazier, organ recital, 8:30 p.m., Music Bldg. recital hall.
 USG Senate meeting, 7 p.m., HUB assembly room.
 Library seminar on methodology and problem solving, 7 p.m., Room W106 Pattee Library.
 Department of French film series, "La Ronde," 7 and 9 p.m., Room 112 Kern.
 Education Student Council meeting, 7 p.m., Room 123 Chambers.
 Sports: Women's soccer and coed softball round robin tournament begin, soccer 6 p.m.; softball 6:30 p.m.

Tuesday, April 15
 Gallery Talk by Carl Christian Dauterman, Metropolitan Museum of Art, on "The Royal Manufactory at Sevres," 10:30 a.m., Museum of Art.
 Baseball, vs. Bucknell, 3:30 p.m.
 Artists Series film, Ingmar Bergman's "Winter Light," 8:30 p.m., University Auditorium.
 Engineering Undergraduate Council meeting, 7:30 p.m., Room 207 Sackett.
 Senate Committee on Academic Affairs, 8 a.m., Room 101 Kern.
 College of Education faculty luncheon, 12:30 p.m., Room 101 Kern.
 Pi Lambda Theta, program and initiation, 7:30 p.m., Rooms 102 and 112 Kern.

Wednesday, April 16
 "Noondays" devotional service, 12 noon, Chapel, Rev. Robt. Boyer.
 Musica da Camera, 8:30 p.m., Music Bldg. recital hall.
 University Theatre student preview, "Jim Dandy," 8 p.m., Pavilion Theatre.
 USG Academic Assembly, 7:30 p.m., Room 351 Willard.
 Hillel rally for Israeli Independence, 7:30 p.m., HUB ballroom.
 Valentina Litvinoff, choreographer, lecture-demonstration, 8 p.m., White Hall.
 Commonsplace Theatre, "Citizen Kane," Room 112 Kern.

Thursday, April 17
 Penn State Aquatic Institute, Natatorium.
 Artists Series, Martha Graham Dance Company, 8:30 p.m., University Auditorium.
 University Theatre, "Jim Dandy," 8 p.m., Pavilion Theatre.
 Department of Economics faculty meeting, 2 p.m., Room 101 Kern.
 GSA garden plot workshop, 7:30 p.m., Room 112 Kern.
 Faculty women College of Education, coffee, 10 a.m., Room 101 Kern; speaker, 11 a.m., Room 112 Kern.
 Phi Delta Kappa and Pennsylvania Educational Research Association Conference, Conference Center. Also next day.

Friday, April 18
 Penn State Aquatic Institute, Natatorium.
 Artists Series, Martha Graham Dance Company, 8:30 p.m., University Auditorium.
 University Theatre, "Jim Dandy," 8 p.m., Pavilion Theatre.
 Sharon Brook, piano recital, 8:30 p.m., Music Bldg. recital hall.
 Commonsplace Coffeehouse, 8 p.m., Room 112 Kern.
 Tennis, vs. Bloomsburg, 2 p.m.

Saturday, April 19
 Penn State Aquatic Institute, Natatorium.
 University Theatre, "Jim Dandy," 8 p.m., Pavilion Theatre.
 Artists Series, Martha Graham Dance Co., 8:30 p.m., University Auditorium.
 Track, vs. Kent State, 1:30 p.m.

Sunday, April 20
 Mary Cowdick, vocal recital, 3:30 p.m., Music Bldg. recital hall.
 Chapel Service, 11 a.m., Eisenhower Chapel, Dr. Norman R. Dixon, professor of higher education, University of Pittsburgh.
 Black Christian Fellowship worship service, 11 a.m., Cultural Center.
 Tennis, vs. East Stroudsburg, 2 p.m.



The Martha Graham Dance Co., on Artists Series, April 17-19.

Week of April 21

Monday, April 21
 Gregory Donovetsky, oboe recital, 8:30 p.m., Music Bldg. recital hall.
 USG Senate meeting, 7 p.m., HUB assembly room.

Tuesday, April 22
 University Theatre, "Jim Dandy," 8 p.m., Pavilion Theatre.
 Tennis, vs. Penn, 3 p.m.
 Chaim Potok for Hillel, 8 p.m., HUB ballroom.
 Women's Faculty Club spring fashion luncheon, 11:30 a.m., HUB ballroom.
 College of Education faculty luncheon, 12:30 p.m., Room 101 Kern.

Wednesday, April 23
 "Noondays" devotional service, 12 noon, Chapel, Rev. Irmgard Soltau.
 University Theatre, "Jim Dandy," 8 p.m., Pavilion Theatre.
 Thalia Trio, 8:30 p.m., Music Bldg. recital hall.
 Guest, Dorothy Pkley Rothchild, Commonsplace Theatre, "Spellbound," Room 112 Kern.
 Baseball, vs. West Virginia, 3:30 p.m.

Thursday, April 24
 University Theatre, "Jim Dandy," 8 p.m., Pavilion Theatre.
 Film "Antonia," about woman composer Antonia Erico, 8 p.m., Room 112 Kern.

Friday, April 25
 University Theatre, "Jim Dandy," 8 p.m., Pavilion Theatre.
 Folk and Square Dance Roundup, 7:30 p.m., White Bldg. north gym.
 Film "Antonia," about woman composer Antonia Erico, 8 p.m., Room 112 Kern.
 Commonsplace Coffeehouse, 8 p.m., Room 112 Kern.

Saturday, April 26
 University Theatre, "Jim Dandy," 8 p.m., Pavilion Theatre.
 Penn State Singers concert, 8:30 p.m., Schwab.
 Baseball, vs. Pittsburgh, 2 p.m.
 Golf, vs. West Virginia, 1 p.m.

Sunday, April 27
 Martin Hubler, tenor recital, 3:30 p.m., Music Bldg. recital hall.
 Chapel Service, 11 a.m., Eisenhower Chapel.
 Charles Lupton, Executive Director, Office of Gifts and Endowments.
 Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.
 Tennis, vs. Colgate, 2 p.m.

Week of April 28

Monday, April 28
 USG Senate meeting, 7 p.m., HUB assembly room.
 Education Student Council meeting, 7 p.m., Room 123 Chambers.

Tuesday, April 29
 Artists Series film, Ingmar Bergman's "The Silence," 8:30 p.m., University Auditorium.
 Pauline Oliveros, composer, "An Evening of Sonic Meditation with Pauline Oliveros," 8 p.m., Room 112 Kern.
 Alpha Phi Omega Bloodmobile, 9 a.m.-5 p.m., HUB ballroom.
 College of Education faculty luncheon, 12:30 p.m., Room 101 Kern.

Wednesday, April 30
 "Noondays" devotional service, 12 noon, Chapel, Rev. Ned Weller.
 University Theatre student preview, "Dracula," 8 p.m., Playhouse Theatre.
 William Oole, saxophone recital, 8:30 p.m., Music Bldg. recital hall.
 Commonsplace Theatre, "Streetcar Named Desire," Room 112 Kern.
 Alpha Phi Omega Bloodmobile, 9 a.m.-5 p.m., HUB ballroom.
 Baseball, vs. Juniata, 3:30 p.m.
 Lacrosse, vs. Loyola, 8 p.m.

Thursday, May 1
 University Theatre, "Dracula," 8 p.m., Playhouse Theatre.
 Priestley Lecture, 3 p.m., Room 112 Kern.
 GSA workshop, 7:30 p.m., Room 101 Kern.

Friday, May 2
 University Theatre, "Dracula," 8 p.m., Playhouse Theatre.
 PSU Symphonic Wind Ensemble, 8:30 p.m., Music Bldg. recital hall.
 Commonsplace Coffeehouse, 8 p.m., Room 112 Kern.

Saturday, May 3
 University Theatre, "Dracula," 8 p.m., Playhouse Theatre.
 Nancy Ruffer, flute recital, 8:30 p.m., Music Bldg. recital hall.
 Golf, invitational Tournament, 1 p.m.
 Tennis, vs. Kent State, 2 p.m.
 Chess Tournament, 9 a.m.-midnight, HUB main lounge.
 Returning Women Students Conference, all day, Rooms 101 and 102 Kern.

Sunday, May 4
 Anne Flaherty, soprano, and Linda Senek, French horn, 3:30 p.m., Music Bldg. recital hall.
 Golf, invitational Tournament, 1 p.m.
 Chess Tournament, 9 a.m.-6 p.m., HUB main lounge.
 Chapel Service, 11 a.m., Music Bldg. recital hall.
 Dr. James Cone, Professor of Theology, Union Theological Seminary.
 Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.
 President's reception for international students, 3 p.m., Rooms 101 and 102 Kern.
 GSA interest night, 7:30 p.m., Room 102 Kern.

Week of May 5

Monday, May 5
 Evening of Student Chamber Music, 8:30 p.m., Music Bldg. recital hall.
 USG Senate meeting, 7 p.m., HUB assembly room.
 Alice Neel, portrait painter, slide-lecture, 8 p.m., Room 112 Kern.
 First day for signing NDSL, SEOG, BEOG, and University Long Term Loans, Room 108 Shields.

Tuesday, May 6
 University Theatre, "Dracula," 8 p.m., Playhouse Theatre.
 Faculty Senate meeting, 2:10 p.m., Room 112 Kern.
 Engineering Undergraduate Council, 7:30 p.m., Room 207 Sackett.
 Commonwealth Campus Caucus of Faculty Senate, 12:30 p.m., Room 112 Kern.
 GSA Council meeting, 7 p.m., Room 101 Kern.
 College of Education faculty luncheon, 12:30 p.m., Room 101 Kern.

Wednesday, May 7
 "Noondays" devotional service, 12 noon, Chapel, Rev. Donald Davies.
 University Theatre, "Dracula," 8 p.m., Playhouse Theatre.
 Claremont Woodwind Quintet, 8:30 p.m., Music Bldg. recital hall.
 Commonsplace Theatre, "Giant," Room 112 Kern.
 Baseball, vs. Buffalo (2) 3 p.m.

Thursday, May 8
 University Theatre, "Dracula," 8 p.m., Playhouse Theatre.
 Phi Delta Kappa, "Foreign Sabbatical Scholar's Report," 8 p.m., Room 101 Kern.

Friday, May 9
 University Theatre, "Dracula," 8 p.m., Playhouse Theatre.
 Tennis, vs. Pittsburgh, 2 p.m.
 Russell Shipley, clarinet recital, 8:30 p.m., Music Bldg. recital hall.
 Commonsplace Coffeehouse, 8 p.m., Room 112 Kern.
 Classical Guitar and Chamber Music Concert, 8:30 p.m., Room 112 Kern.

Saturday, May 10
 University Theatre, "Dracula," 8 p.m., Playhouse Theatre.
 Golf, vs. Army and Colgate, 1 p.m.
 Lacrosse, vs. Lafayette, 8 p.m.
 Blue-White Football game, 2 p.m.

Sunday, May 11
 Penn State Glee Club, Annual Mother's Day Concert, 3 p.m., University Auditorium.
 Chapel Service, 11 a.m., Eisenhower Chapel.
 Rev. Charles L. Coleman, Program Director of Religious Affairs.
 Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

Week of May 12

Monday, May 12
 Vincent Nola, tenor recital, 8:30 p.m., Music Bldg. recital hall.
 USG Senate meeting, 7 p.m., HUB assembly room.
 Department of French film series, "Forbidden Games," directed by Clement, 7 and 9 p.m., Room 112 Kern.
 Education Student Council meeting, 7 p.m., Room 123 Chambers.

Tuesday, May 13
 Artists Series film, Ingmar Bergman's "Persona," 8:30 p.m., University Auditorium.
 Golf, vs. Bucknell, 1 p.m.
 Elaine de Kooning, abstract painter, slide-lecture, 8 p.m., Room 112 Kern.
 College of Liberal Arts faculty meeting, 3:30 p.m., Room 121 Sparks.
 College of Agriculture faculty meeting, 4 p.m., Room 301 Agricultural Administration.
 College of Education faculty luncheon, 12:30 p.m., Room 101 Kern.

Wednesday, May 14
 "Noondays" devotional service, 12 noon, Chapel, Rev. Robt. Boyer.
 Penn State Brass Chorale, 8:30 p.m., Music Bldg. recital hall.
 Artists Series film, Ingmar Bergman's "Cries and Whispers," 8:30 p.m., University Auditorium.
 Baseball, vs. Bucknell, 8 p.m.
 Commonsplace Theatre, "Some Like It Hot," Room 112 Kern.

Thursday, May 15
 GSA workshop, 7:30 p.m., Room 101 Kern.
 Department of Economics faculty meeting, 2 p.m., Room 101 Kern.
 Sports: Baseball, vs. Indiana, Pa., 3 p.m.

Friday, May 16
 Track and Field Open Invitational, 1:30 p.m.
 Peggy Horner, vocal recital, 8:30 p.m., Music Bldg. recital hall.
 Football and Soccer Roundup, 7:30 p.m., White Bldg. north gym.
 Commonsplace Coffeehouse, 8 p.m., Room 112 Kern.
 Bike Show sponsored by Hetzel Union Board, 10 a.m.-4 p.m., HUB ballroom.
 Conference on "Recent Research in Byzantine and Western Medieval Manuscript Illumination," 2 p.m., Keller Bldg.
 Pa. Wheel Chair Games Championships, Natatorium.

Saturday, May 17
 PSU Symphony Orchestra, 8:30 p.m., University Auditorium.
 Conference on "Recent Research in Byzantine and Western Medieval Manuscript Illumination," Keller Bldg.
 Baseball, vs. Temple (2), 1 p.m.
 Tennis, vs. Army, 2 p.m.

Sunday, May 18
 PSU Symphonic Wind Ensemble Annual Pops Concert, 3:30 p.m., Arts Court-yard.
 Chapel Service, 11 a.m., Music Bldg. recital hall.
 University Choir's Spring Program.
 Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.
 Conference on "Recent Research in Byzantine and Western Medieval Manuscript Illumination," until 1 p.m., Keller Bldg.

Week of May 19

Monday, May 19
 Evelyn Hedges, piano recital, 8:30 p.m., Music Bldg. recital hall.

Tuesday, May 20
 Senate Council meeting, 2:10 p.m., Room 101 Kern.
 Baseball, vs. Delaware (2), 3:30 p.m.
 College of Education faculty luncheon, 12:30 p.m., Room 101 Kern.

Wednesday, May 21
 Composer's Concert, 8:30 p.m., Music Bldg. recital hall.
 Last day for signing Spring Term Emergency Loans, Room 108 Shields.
 Classes end.
 College of Human Development Conference, 12 noon, Room 112 Kern.

Thursday, May 22
 Final exams begin, end May 24.

Monday, May 26
 Baseball, vs. Navy (2), 1 p.m.
 Tennis, vs. Navy, 3 p.m.

Saturday, May 31
 Commencement, 10:30 a.m., Beaver Stadium.



Four engineers receive Service Awards

Four members of the College of Engineering faculty were recipients of 25-Year Service Awards at a ceremony yesterday (Wednesday) presided over by Dr. K. J. Paffendorf (far right in right photo above), dean of the College.

Robert E. McCord, assistant dean for continuing education in the College, (in the right photo) is a State College native and a 1942 Penn State graduate. He earned an M.S. in engineering administration at M.I.T. in 1952. He was named to the faculty as instructor in engineering extension after serving two years as a senior analyst with Pratt-Whitney, three years as a captain of a minesweeper in the U.S. Navy, and one year as a consultant in industrial engineering. In 1955, on leave, he served six months at the University of Puerto Rico setting up an industrial engineering department and serving as professor and head of the department. In the summer of 1970, he conducted a study of technician training programs for A.I.O. in Guatemala, Honduras, El Salvador, Nicaragua, Costa Rica, Panama and Colombia.

In the center photo above, at right, is Dr. Carl Volz, Sr., professor of electrical engineering, shown with department head, Dr. W. J. Ross. Dr. Volz is a 1937 Penn State graduate, in electrical engineering. He received his M.S. in 1952 and Ph.D. 1959, also at Penn State. Last year he was one of the recipients of the College of Engineering Excellence in Teaching Award. After his graduation from Penn State he worked for Westinghouse Air Brake Co., until he returned to Penn State as an instructor in 1946. One of his research interests was the development, with

Hershey Medical Center faculty, of a rechargeable cardiac pacemaker. He has directed the electronic systems division of the department and teaches both graduate and undergraduate courses in signals and circuits, electronic design and linear control systems.

John A. Stelmach, in left photo above with chemical engineering department head Dr. Les C. Engle, is research associate in chemical engineering. He joined the staff of what was then the Petroleum Refining Laboratory in February, 1949, as research assistant, was named instructor in 1958, and research associate in 1964. He is a 1949 graduate of St. Francis College, where he served as a laboratory assistant for a year, and earned an M.S. at Penn State in organic chemistry in 1955. He has taught Chem 1, 2 and 10, but he has been essentially a researcher, in such areas as the oxidation of hydrocarbons and the preparation of organic compounds. He has had a great interest in geology and at one time was president of the National Speleological Society and served on its Board of Directors for three years.

Clotworthy Birnie, Jr., (right in photo at left with mechanical engineering department head Donald R. Olson) was named instructor of mechanical engineering in 1949 shortly after receiving his M.S. in mechanical engineering from Northwestern University. He is a 1945 graduate of the University of Virginia. He was appointed assistant professor in 1954 and associate professor in 1955. One of his research interests has been in the area of bridge deck design.

Death

Dr. C. Ray Carpenter, who served the University for 31 years in various academic and administrative capacities before retiring in 1970, died March 1 in Athens, Ga., at the age of 69. He joined the faculty in 1939 in psychology and headed that department from 1952 to 1958. His work laid the ground for the use of closed-circuit television teaching and later he was a prime mover in the establishment of WPX-TV. A graduate of Duke University, which also granted him the master of arts degree, he received the Ph.D. from Stanford University. He served on faculties of Bard College and the College of Physicians and Surgeons of Columbia University, as well as on the School of Tropical Medicine in Puerto Rico. At Penn State he was executive director of the planning committee for the College of Medicine at the Milton S. Hershey Medical Center. He was professor of both psychology and anthropology, and his interests in research related to the educational processes of man and the life processes of primates. After he retired from Penn State, he became professor of psychology and anthropology at the University of Georgia, Athens. In his lifetime, he was responsible for or aided in many activities in educational and governmental fields, among them the drafting of the notable Title VII of the National Defense Act in 1957, which had a great impact on educational institutions. His honors, awards and distinctions were many.

Funding Opportunities

For procedural and funding source information, call 865-1372.

March 6, 1975

(169-1) Guidelines for Preparation of Unsolicited Proposals for the Economics of Information Program have been issued by the National Science Foundation to promote improvements in scientific communication and technology transfer through the use of economic concepts and data. Priorities are: (1) the scientific and technical information marketplace, (2) costs and benefits of scientific and technical information services, (3) supply and demand relationships, and (4) simulation studies. Other information transfer proposals will be considered. There are no proposal deadlines and preliminary (letter) proposals are encouraged. Send them to: Economics of Information Program, Office of Science Information Service, National Science Foundation, Washington, D.C. 20550 (202-632-5850). (Ref. NSF 74-43).

(169-2) Guidelines for the Preparation of Unsolicited Proposals for the User Support Program have been issued by the National Science Foundation to enhance the usefulness of scientific and technical information (STI) and to help STI services provide innovative user-oriented information products on a self-supporting basis. In supporting applied research efforts, the projects fall into four categories: (1) planning-based projects, to provide information for management, operations, policy decisions, and long-range planning in STI services; (2) design and development projects, oriented to specific innovations; (3) operational experiments and demonstrations, to explore relationships among economic, behavioral, and information variables; and (4) diffusion and applications, through adoption of known innovations. Proposals may be submitted at any time, and preliminary (letter) proposals are encouraged. Send them to: User Support Program, Office of Science Information Service, National Science Foundation, Washington, D.C. 20550 (202-632-5850). (Ref. NSF 74-44).

(169-3) Materials researchers and those active in extensive materials research should consider applying to the U.S. Bureau of Mines. Bureau grants will emphasize pollution abatement and corrosion resistant materials, plus problems with imported materials, including bimetals, hydro, pyro, and electrometallurgy, and mineral synthesis are preliminary research fields of interest to the Bureau. Proposal deadline for fiscal year 1975 is March 31. Contact the Office of University Relations, U.S. Bureau of Mines, Washington, D.C. 20240. (Ref. ST. Trends, 2/17/75).

(169-4) Rules and regulations for Programs for the Education of the Handicapped have been issued by the Office of Education, including: definitions; general provisions; regional resource centers; centers and offices for deaf-blind children; early education for handicapped children; auxiliary activities; training personnel for the edu-

cation of the handicapped; recruitment of personnel and dissemination of information; instructional media for the handicapped; and special programs for children with specific learning disabilities. This information has been distributed. (Ref. 40FR7408-7409, 2/22/75).

(169-5) The National Institutes of Health requires all grantees and contractors (investigators and institutions) to comply with regulations concerning the transportation of hazardous materials. The Transportation Safety Act of 1974, PL 93-633, signed by the president Jan. 4, 1975 provides tighter regulations governing packaging of hazardous materials. Any questions concerning packaging, labeling, or shipment of etiologic agents should be directed to: Center for Disease Control, All. Office of Bioregulation, Atlanta, Georgia 30333 (404-335-5511 Ext. 3883). (Ref. NIH Guide, Vol. 4, No. 1 2/10/75).

(169-6) NSF Guide to Programs, FY 1975 lists 64 program areas of the National Science Foundation and includes principal characteristics and purpose of each activity, eligibility requirements, closing dates and other information. Guides have been distributed.

(169-7) People planning careers in regional, local or state pollution control and regulatory agencies are eligible for EPA fellowships. Application deadline is April 1; write to Environmental Protection Agency, Grants Administrative Div., Grants Information Branch, Washington, D.C. 20460. (Ref. EO 75-7).

(169-8) Octocore candidates in banking and related fields who will have passed their comprehensive exam before start of their tenure as a lecturer are eligible for FOIC fellowships. Covering 12 to 15 months, the fellowships pay up to \$5000, plus fees, some travel, clerical and research expenses. Arrangements can be made to spend some time at the FOIC, Washington, D.C. office. The 1975 application deadline was Jan. 17. Write to Federal Deposit Insurance Corporation, Director of Research, 550 17th St., N.W., Washington, D.C. 20059. (Ref. EO 75-7).

(169-9) NSF will award travel grants to 90 pre or post doctoral scholars (U.S. citizens) who wish to attend the European NATO-sponsored institutes held in the summer of 1975. Contact the National Science Foundation, Fellowship and Travel Services Section, Division of Higher Education, Washington, D.C. 20550. (202-287-7599). (Ref. EO 75-7).

REMINER AND OCEANLINE OATES March 12 for Pa Dept' Education Ethnic Heritage Studies Center (Feb. 27 INTERCOM #168-2). March 17 for HRA training programs (Feb. 27 INTERCOM #168-2). March 21 for OE Ethnic Heritage Studies program (Jan. 16 INTERCOM #162-1). March 31 for NSF research on environmental effects of geothermal energy development (Feb. 13 INTERCOM #166-2). April 1 for Pa. Reversible Cultural Heritage Studies (Jan. 16 INTERCOM #161-7). April 1 for OOT University Research (Jan. 16 INTERCOM #162-5). April 1 for OHEW New Health Maintenance Organization project (Feb. 17 INTERCOM #168-5). April 15 for PENNATP technology dissemination proposals (Feb. 13 INTERCOM #166-1).

Library notes

The Undergraduate Library will hold an open house in the Main Undergraduate Library, W108 Patton on Tuesday, March 11 at 7:00 p.m. A brief slide-tape program introducing the library services will precede an informal question-answer period. The program is aimed at new students, but any student is welcome to attend.

The Undergraduate Library Staff will give tours of Pattee Library to undergraduate students on Tuesday, March 11 and Wednesday, March 12, at 8, 10, and 11 a.m. and 2, 3, and 4 p.m. An evening tour will be offered on March 12 at 7 p.m. All tours begin inside the main entrance to Pattee Library. Individual students can arrange for additional tours or faculty members can arrange for instructions in library use for their classes by calling Mante Plant at 865-9322.

The Reference Department will offer graduate student orientation tours of Pattee Library and its resources on Tuesday through Thursday, March 11-13, at 9:30 a.m. and 2 p.m. All graduate tours begin in the Reference Room, E105 East Pattee. Faculty members can arrange for library instruction for upper-division and graduate classes by calling Jack Pontius at 865-6568.

Honors

College of Engineering citations for Excellence in Teaching were presented to Dr. Harry H. West, assistant professor of civil engineering; Dr. David R. Volmer, assistant professor of electrical engineering; and Franklin P. Platts, assistant professor of engineering at the Schuylkill Campus. The awards, which include a certificate and check for \$500, were made possible by the Alumni Association of the College.

Dr. John S. Nisbet, professor of electrical engineering and director of the Ionospheric Research Laboratory, was presented with the College of Engineering's annual award for outstanding achievement in research at the conclusion of Engineers Week activities Feb. 28.

Ruth Ann Wilson, associate professor of clothing Extension, was given the second highest award for a single television program on men's fashions by the Men's Fashion Association. The show for which she was honored was a feature presentation on men's fashions for fall and winter and was shown on the "Farm, Home and Garden" program of WPX-TV.

HUB specials

Monday, March 10 — Lunch, soup and barbecue on bun, \$4; dinner, Canadian bacon and hot potato salad, \$1.34.
Tuesday, March 11 — Lunch, soup and Reuben platter, \$1.60; dinner, lasagna, \$1.27.
Wednesday, March 12 — Lunch, soup and hot sausage on hoagie roll, \$1.15; dinner, lamb steak, \$1.30.
Thursday, March 13 — Lunch, spaghetti, \$1.22; dinner, golumbi, \$1.21.
Friday, March 14 — Lunch, macaroni and cheese, \$.95; dinner, seafood platter, \$1.89.
Saturday, March 15 — Lunch, chili con carne, \$.69; dinner, chicken ala king with rice, \$1.39.
Sunday, March 16 — Dinner, roast turkey, \$1.76; supper, baked shells with cheese, \$1.32.

PENN STATE intercom

Volume 4, Number 26

March 13, 1975

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

Ciletti to be special assistant

Governmental affairs office formed

In an administrative reorganization announced by President Oswald this week, the Office of Governmental Affairs will be separated from the Office of the Vice-President for Public Affairs and will be transferred to the Office of the President, effective Apr. 1.

Dr. John W. Oswald, president of the University, said that the new office will be headed by a Special Assistant to the President and that Frederick M. Ciletti has been appointed to the position.

Mr. Ciletti will be assisted by Newton O. Cattell, director of Federal relations, and Frank E. Forni, director of governmental relations, all having been on the staff of the Vice-President for Public Affairs.

"The reorganization, bringing governmental affairs directly into the President's office," Dr. Oswald explained, "will permit me to be more intimately involved with the function and to continue and even strengthen Penn State's responsiveness to State and national needs."

Mr. Ciletti will work closely with T. Reed Ferguson, who will retire in the spring after 32 years of service to the

University. Mr. Ferguson has been the University's chief legislative liaison in his role as Vice President for Public Affairs.

With the transfer of governmental affairs activities to the Office of the President, the Office of Public Affairs will have responsibility for the Office of Gifts and Endowments, Alumni Association, Department of Public Information, and General University Relations. The search continues for the new leadership of this reorganized office.

A native of Philadelphia, Mr. Ciletti is a Penn State graduate, having received his bachelor of arts and also his master of arts degrees, with majors in English literature.

He joined the faculty in 1950 as an instructor in English at the Hazleton Campus and in 1951 moved to the Schuylkill Campus, then at Pottsville. At the Schuylkill Campus he was named assistant director in 1954, associate professor of English in 1962, and he served also as dean of student affairs and assistant director of resident instruction before joining the staff of the Vice-President for Public Affairs at University Park.

Council discusses education quality

Continuing discussions of factors that affect the quality of education, members of University Council last Thursday gave attention to the matter of classroom size and also the reporting by students of practices detrimental to the instructional program.

They decided to refer to Dr. Robert E. Dunham, vice-president for undergraduate studies, the question as to whether or not there currently is a need for more classrooms that will accommodate classes of 100 to 500 students, after hearing reports of an apparent shortage of such rooms.

As to reporting on practices of instructors that are detrimental to quality education, it was suggested students should be informed so that they can report with confidence to a dean or department head such practices, including practices of inequitable treatment of class members. Council will

(Continued on page four)

Used books needed

Donations of books of all types are still being accepted by the local branch of the American Association of University Women for its 14th Annual Used Book Sale.

Books in all categories are welcomed, paperbacks as well as hard bound, including fiction, children's books, textbooks, mysteries, cookbooks, humor, "bobbies," classics, condensed, old books, travel and reference, as well as National Geographic.

Small donations may be left inside the rear door of the Schiow Library. Information on other collection centers is available from Miss Sarah-Elizabeth Croft, 237-8068.

Upwards of 25,000 books are expected for this year's AAUW sale, to be held during the week of April 14 at the Wesley Foundation.

Mailing systems guidelines tabled

Senate acts on exam schedule

The University Faculty Senate tabled action on proposed guidelines for use of the University mailing system at its March 4 meeting.

A motion urging Senate endorsement of the guidelines was made at the Feb. 4 meeting by William Rabinowitz on behalf of the American Association of University Professors.

Rabinowitz told the senators that his motion dealt specifically with mail system guidelines.

"What is at issue," he said, "is the way the University administration uses a resource to advocate its position while prohibiting a faculty group from utilizing it. Support or opposition to the motion should not be determined by support or opposition to collective bargaining.

"This is not an attempt to get the Senate to abandon its neutrality on the collective bargaining issue."

Following Rabinowitz's presentation, the Senate voted to table the motion. Earlier, an objection to consideration of the motion was defeated by a narrow margin.

In other business, the Senate approved two motions from its Academic Affairs Committee concerning final examinations.

An interim motion reaffirmed a 1969 Senate policy requiring an instructor who wishes to give a comprehensive examination, covering the entire course, to use the final examination period. Examinations given during the last week of the term must be restricted to a more limited scope.

Also approved was a motion requesting that "for any calendar system in force beginning with Fall, 1976, sufficient time be made available in the calendar for an examination period of total length to allow scheduling a final examination in each course except laboratory or practicum courses."

Thomas E. Daubert, committee chairman, said the current system, as it has

Need adult females for estrogen study

Females aged 18-30 are needed for a study of cyclic fluctuation of estrogen. Investigation is under medical supervision and will involve a reflex-reaction time measure and a small blood sample approximately once a week throughout the menstrual cycle.

All testing will take place in White Building with a certified medical technologist withdrawing the blood sample. Each testing session will take approximately one half hour.

Females using a contraceptive pill as well as females normally controlling their estrogen are needed. Financial remuneration will be made for participation and results will be available for the participants.

Please contact Dr. Harris at 865-7591 if you are interested and would like additional information.

News in brief

WPSX REMINISCES

On Monday, March 17, WPSX-TV, Penn State's educational station on Channel 3, will feature some reminiscing about the beginnings of the station just ten years ago. The first broadcast, as noted in a recent REPORTER story, was a daytime program on March 1, 1965 for the schools of the area. The program March 17, at 10 p.m., will have Robert C. Dudley and Nancy Miller doing the reminiscing; both have been associated with the station in one capacity or another since the beginning. Excerpts of early programs will be shown. The same program will be seen Mar. 18 at 3 p.m. and Mar. 20 at 1 p.m.

CAPITOL COMMENCEMENT

Winter Term Commencement exercises will be held at Capitol Campus Saturday, March 22, at 11 a.m. in the Middletown Area high school. Ninety-six graduates will be granted degrees, including 84 bachelor's and 12 master's, which will be awarded in administration, American studies, elementary education, engineering, humanities, public administration and regional planning. Dr. Robert E. McDermott, provost of Capitol Campus, will preside and be assisted in awarding of the degrees by John L. Romig, representing the Board of Trustees.

HUB EXHIBITS

A display on the first floor of the HUB, continuing until March 30, features the work of members of the Renaissance Gallery, of State College, and in particular jewelry of Selma Brande, ceramics of To-shiko, Fukuyama, ceramics of Helen Hargle-road, weavings by Annette Hobbs, watercolors of Sandra Mayes Leitzinger, batik and silk screen printing of Janet Lindsay, stained glass of Nancy Norton, ceramics of Patricia and Shirley Slegenhaler, and jewelry of Dagmar Ticha. Most of the works are for sale.

FRONTIER OF ROMANCE

A lecture on "Roman and Native on the Frontier," concerning the interaction between various ethnic groups on the western frontier of the Roman Empire, will be given by Dr. Stephen L. Dyson Tuesday, March 18, at 8 p.m. in Room 112 Kern. Dr. Dyson, who has had extensive experience in excavating Roman sites in England and Italy, is professor of ancient history and classics at Wesleyan University, Middletown, Conn. The address will be the feature of the meeting of the Central Pa. chapter of the Archaeological Institute of America. Since 1971, Dr. Dyson has been director of the excavations at Buccino, Italy, which is a key site for the history of the earliest inhabitants of the Italian peninsula.

AAUP MEETING AT CAPITOL

President Marvin Wachman, of Temple University, will address the 22nd annual meeting of the Pennsylvania Division of the A.A.U.P. at Capitol Campus Saturday, March 15. He will speak on "Collective Bargaining at Temple" at the luncheon at 12 noon. The meeting opens at 9:45 a.m. and continues through the afternoon.

President Wachman will discuss higher education's currently pressing problems in Pennsylvania as well as life at a University under a collective bargaining contract. Members of the University Park Campus who need transportation to the meeting are invited to contact chapter president Dr. Robert Scholten, 865-6393.

SYMPHONY CONCERT

Beethoven's "Piano Concerto No. 4" will be performed by the University Symphony Orchestra, with soloist Sharon Brook, as

(Continued on page four)

Death

Dr. John W. Bratzler, professor of animal nutrition, who retired with emeritus rank in 1970, died last Saturday (March 8). He was a member of the faculty for 26 years. Much of his career was devoted to evaluating the nutritive quality of forages. Working closely with the extension program at the College of Agriculture, he played a major role in convincing livestock producers of the value of high quality forage. His early career was devoted largely to research in the field of energy metabolism under Dr. E. B. Forbes, who was director for many years of the Institute of Animal Nutrition which later became the Department of Animal Nutrition. His work on the nutritive value of forages was instrumental in establishing the ideal stage of maturity for the harvesting of corn for silage. His silage studies also laid the groundwork for the establishment of the Penn State Forage Testing Laboratory, built

on the University Park campus in 1966. Earlier work, between 1959 and 1966, was carried on in a private laboratory. In 1969 Dr. Bratzler was honored by the Pennsylvania Grassland Council with its annual award "for his contributions to the State's grassland agriculture." He was a charter member of the Council and had judged years. He had also received the Merit Certificate of the American Forage and Grassland Council, which he served as North Atlantic vice-president in 1963-64. In 1969 he was one of eight scientists named to honorary fellowship in the American Society of Animal Science for distinguished service to the livestock industry. A native of Illinois, Dr. Bratzler received the bachelor of science and master of science degrees from Purdue University and the doctor of philosophy degree in animal nutrition from Cornell University. During World War II he served for more than three years as nutrition officer in the Sanitary Corps of the U.S. Army.

work results, finally, in a triumph of art and experience, as well as of a memory aroused and prodded by the imagination.

Guided by a spirit of free inquiry, Montaigne's introspective project ultimately takes its authenticity from an intricate network of judgment and criticism, according to Dr. Norton.

"Pablo Neruda, Cesar Vallejo y Federico Garcia Lorca. Microcosmos Poeticos (Essays on Interpretation Critical)" is the title of a new book by Dr. Luis F. Gonzalez-Cruz, associate professor of Spanish at the New Kensington Campus. His first book on Neruda, who received the Nobel Prize for literature in 1971, was published in 1972. The new book is only partially on Neruda, to whom five essays are devoted; four others concern Cesar Vallejo and four Garcia Lorca. The 152-page book has been published by Anaya-Las Americas Publishing Co., Inc., New York, and it includes Dr. Gonzalez-Cruz's literary analysis of the poetry of probably the three greatest contemporary poets of the Spanish language. The essays are at times "archetypical characterizations of certain motifs found in the poems selected; in other instances, they attempt an evaluation of certain aspects of the cosmivision of the poets included."

The book "A Random Walk in Science," by Dr. Robert L. Weber, associate professor of physics, will be published in the Japanese language by Kinokuniya Shoten. The book, recently placed on the Library Journal's list of the 100 best science-technology books of 1974, was published originally in 1976, by Crane, Russak and Co., and is now in its third printing. It is a selection of the Macmillan Library of Science Book Club and a Macmillan Book Club alternate selection. It will also be a Book-of-the-Month Club alternate selection in May. It is an anthology of scientific humor, with articles both amusing and serious written by and about scientists.

the Commonwealth now have available to them the expanded educational and informational resources provided by The Pennsylvania State University," the citation continued.

Mr. Ferguson, who served 32 years as a faculty and staff member at the University, has been vice president for public affairs since 1969. In that position and as director of University relations from 1958 to 1969, he worked closely with State legislators.

Dr. Russell A. Hyre, former adjunct professor of plant pathology who is now retired, was honored by the Pennsylvania Cooperative Potato Growers, Inc., for his research in "biotechnology" or forecasting procedures for late blight in potatoes. Dr. Hyre, who was a staff member of the U.S. Dept. of Agriculture, served as adjunct professor from 1961 to 1974.

SCHEDULE CHANGE

A concert by the Contemporary Dance Company, scheduled until recently for Saturday and Sunday, March 15 and 16, has been moved up one day, to Friday and Saturday, in order to avoid conflict with the Artists Series. Tickets for the concert, to be held in Schwab Auditorium, at 8:30 p.m., are on sale now at White Bldg., Kern Graduate Bldg., and The End Result.

Conference on seismic activity in June

Twenty engineers and scientists from several European countries and the United States have been invited to participate in a conference on acoustic emission (microseismic activity) in geology structures and materials to be held June 9-11 at University Park.

Co-chairmen of the conference are Dr. H. Reginald Hardy, Jr., director of the Rock Mechanics Laboratory and professor of mining engineering, and Frederick W. Leighton, mining engineer with the Mining Research Center of the U.S. Bureau of Mines, Denver, Colo.

The purpose of the conference is to survey the current status of research on the use of acoustic emission techniques in

geologic materials. This work covers such areas as stability of underground gas storage reservoirs and earth-filled dams, earthquake mechanics, hydrofracturing to stimulate oil and natural gas recovery, strata control in coal and hardrock mines, and fundamental behavior of geologic materials.

Acoustic emission studies in this country were initiated in the late 1930s by the Bureau of Mines. Penn State's Rock Mechanics Laboratory has been involved in such studies since 1965.

The papers presented at the conference and the discussions associated with them will be published as a book later this year.

Berks institute begins studies

The Institute of Community Affairs at Berks Campus, established only last year to serve the community of Reading and Berks County through research, instruction and public service, has issued a booklet outlining its current projects, which include the following:

Emergency Medical Services Studies —

Capitol schedules cultural series

Capitol Campus has announced a Spring Term Culture Series that includes vocal recitals, dramatic readings, brass quintet program, a lecture speaking on energy, and an Indian festival.

The first program of the term will be a performance of vocal music "From Figaro to Funny Girl" by soprano Beverly Flower and bass-baritone Jess Caston Monday, April 7. The two singers will give an afternoon lecture-demonstration and a performance at 8 p.m. Admission is free to all the events.

Actor Welf Stults will stage "An Evening with Mark Twain" Monday, April 21, at 3 p.m.

An informal concert at 3 p.m., and a formal concert at 8 p.m. will be given by The Western Brass Quintet Tuesday, April 29.

Albert E. Smigel, director of the Bureau of Statistics, Research and Planning, Pennsylvania Department of Commerce, will speak Tuesday, May 6, on "The Projections of Pennsylvania's Future in the Area of Energy Consumption vs. Output." The lecture is at 2 p.m.

A North American Indian Festival, "The Roots of Peace," will be given May 12-13 by an Indian traditional communications group, with members representing many Indian Nations throughout the U.S. and Canada. A variety of activities related to their culture will be presented, including the building of a teepee, films, lectures to classes, combined with craft sales. The group will be on campus all day May 12 and until noon May 13. A reception will be held in the evening of May 12.

Faculty and staff from other campuses are welcome to attend these cultural events.

Berks theatre to hold auditions

Auditions will be held Friday, March 28, for positions with the Berks Summer Theatre which will begin its second season of family entertainment at the Berks Campus in June.

Singers and dancers are being sought for the resident company, and high school and college students will be interviewed for performing or technician intern programs.

William D. Angstadt, general manager of the theatre and a Penn State graduate, points out that the 14-week season (June 4-Sept. 6) will include a drama, six musicals, and six children's programs. Faculty members at other Penn State campuses are urged to inform their students of this opportunity.

Each show, which includes the drama "Wait Until Dark" and musicals like "My Fair Lady," will open on a Wednesday and run for eleven consecutive performances.

The auditions will be held at 10 a.m. in the Community-Student Learning Center at the Berks Campus on March 28.

a study of the emergency health systems in the area will start with a look at the emergency communications systems and get into the areas of the level of proficiency of EMS practitioners; types of emergency room services provided by area hospitals, etc.; intergovernmental arrangements and provisions for planning periodic review of community needs; and others.

Impact of Federal Revenue Sharing on Berks County — a study on the impact of the federal revenue sharing program upon local jurisdictions, part of a state-wide program that the Institute of Public Administration at University Park is currently researching.

Land Utilization — aiding a task force concerned with the development of a land use map for the county.

Mental Health Survey — a study, in cooperation with the county's Mental Health Association, of the various programs now providing county residents in this field, concentrating on problems related to children.

Schuylkill River — a study of the river to evaluate it in terms of hydrology, land use, recreation and water supply, making use of previous studies by other groups and looking ultimately to definite recommendations.

Systems Research — as a continuing program, a study of existing governmental structures in the county to see whether the existing structures are utilizing resources effectively, giving needed services, solving community problems, and planning for future needs.

Dr. Douglas J. Grandguis is program director of the Institute of Community Affairs, which is affiliated with the Institute of Public Administration at University Park. Dr. Harold Perkins is director of the Berks Campus.

Women in arts is course subject

"Women and Creativity in the Arts," an experimental course being offered during the Spring Term at the University, will consider women's involvement in such disciplines as writing and literature, music, fine and applied art, theatre arts, and architecture. The course is Arts/Liberal Arts 198/498.

Drawing on many resources including the experiences of women faculty and area artists, exhibitions of work by women artists, and presentations by distinguished women artists in several fields, the course will emphasize successful contemporary artists in Western culture with a historical overview.

Public events, under the sponsorship of the Institute for the Arts and Humanities Studies at the University, are planned in conjunction with the course. Megan Terner playwright, Valentina Litvinoff, choreographer, Dorothy Pixley Rothschild, musician, Pauline Oliveros, composer, and Alan Neal and Elaine de Kooning, both painters, will visit the campus and participate in evening public sessions during the term. Administrative coordinator for "Women and Creativity in the Arts" is Rodolfo Weintraub, of the Department of English. Faculty coordinators are Joanne Zagst, associate professor of music; Helen Martini, assistant professor of theatre arts; Patricia Ward, assistant professor of comparative literature; and Jeanne Chanaul, associate professor of art history.

The course is offered jointly by the Colleges of Arts and Architecture and the College of Arts and Architecture.

Honors

T. Reed Ferguson, who will retire in May as vice president for public affairs, was honored by the Pennsylvania House of Representatives at a dinner in Harrisburg March 4. He was presented with a House citation.

The citation noted his many accomplishments during the past three decades as a teacher and administrator and his "vital concern" for the problems faced by Pennsylvania youth in securing a higher education.

It commended him for his "dedication and devotion to the cause of improved higher education" and expressed "heartfelt thanks to this outstanding public servant for his sincerity and kindness over the years."

As a result of his efforts "the citizens of

University Park Calendar

March 13-23, 1975

Special Events

Thursday, Mar. 13 — Library orientation tours for graduate students, 9:30 a.m. and 2 p.m., Reference Room E105 East Pattee.

Friday, Mar. 14 — Michael Powell, trombone recital, 8:30 p.m., Music Bldg. recital hall.

Friday, Mar. 14 — Commonsplace Coffeehouse, 8 p.m., Room 102 Kern, Rob Salmon and Dizzy Sullivan, Tony Verstate.

Friday-Saturday, Mar. 14-15 — PIAA Wrestling Championships, 8:30 a.m. to 11 p.m., Rec Hall.

Friday, Mar. 14 — Michael Powell, trombone recital, 8:30 p.m., Music Bldg. recital hall.

Friday, Mar. 14 — Hetzel Union Board program by Bob Doyle and the Buffalo Chip-ckers, 8:30 p.m., HUB ballroom. Tickets, 75 cents, at the door. Square dance follows.

Friday-Saturday, Mar. 14-15 — Contemporary Dance Company Second Annual Concert, 8:30 p.m., Schwab.

Sunday, Mar. 16 — Artists Series, Vladimir Ashkenazy, pianist, 8:30 p.m., University Auditorium.

Sunday, Mar. 16 — Chapel Service, 11 a.m., Eisenhower Chapel, Dr. Hugh Brooks, Recreation and Parks.

Sunday, Mar. 16 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

Seminars

Thursday, March 13 — Engineering Acoustics, 4 p.m., Room 165 Willard, Jerry G. Lilly on "Electro-Acoustic Feedback in Rectangular Reverberation Chambers."

Thursday, March 13 — Chemistry, 12:45 p.m., Room 333 Whitmore, John Siddall, Zeecon Corporation, on "Insect Juvenile Hormones."

Thursday, March 13 — Individual and Family Studies, 3:45 p.m., Room S-131 Human Development, Marian Radke Yarrow on "The Emergence and Functions of Prosocial Behaviors in Young Children."

Thursday, Mar. 13 — Agronomy, 8:30 a.m., Room 111 Tyson, J. P. Mueller on "Agriculture in Viet-Nam."

Thursday, Mar. 13 — Man-Environment Relations, 4 p.m., Room S131 Human Development, Dr. John Cassel, School of Public Health, North Carolina University, on "The Human Environment in Its Relation to Health."

Thursday, Mar. 13 — Transportation Institute, 2:20 p.m., Room 189 Materials Research Laboratories, Yupo Chan, civil engineering, on "Review: Theory and Current Practice."

Thursday, Mar. 13 — Air Pollution Con-

Meetings

Monday, Mar. 17 — Education Student Council, 7 p.m., Room 123 Chambers.

Monday, Mar. 17 — College of Business Administration Student Council, 7 p.m., Room 214 Boucke.

Monday, Mar. 17 — Color Slide Club, 7:30 p.m., Room 112 Kern, Leslie P. Greenhill on "Judging Slides." Slides of available light portraits and an open group will be judged.

Monday, Mar. 18 — Senate Council, 2:10 p.m., Room 101 Kern.

Tuesday, Mar. 18 — College of Agriculture faculty, 4 p.m., Room 301 Agricultural Administration.

Tuesday, Mar. 18 — ARHS, 7 P.M., Room 203 HUB.

Lecture

Tuesday, Mar. 18 — "Roman and Native on the Frontier," by Professor Stephen Green, Wesleyan University, 8 p.m., Room 112 Kern. Sponsored by the Central Pa. Society of the Archaeological Institute of America.

Sunday, Mar. 16 — "Together," a discussion group among single adults on matters of mutual interest, 7:30 p.m., Room 101 Kern. Faculty and Townspeople welcome.

Monday, Mar. 17 — Walter Wells, baritone vocal recital, 8:30 p.m., Music Bldg. recital hall.

Monday-Tuesday, Mar. 17-18 — Registration for Free-U courses, HUB ground floor, all day.

Tuesday, Mar. 18 — Seminar on the use of the card catalog, 7 p.m., W110 Pattee Library.

Wednesday, Mar. 19 — Overdu Page, flute recital, 8:30 p.m., Music Bldg. recital hall.

Wednesday, Mar. 19 — Artists Series film, Charlie Chaplin in "Monsieur Verdoux," 8:30 p.m., University Auditorium.

Wednesday, Mar. 19 — "Noondays" devotional service, 12 noon, Eisenhower Chapel, Rev. Mark Saddors.

Wednesday-Friday, Mar. 19-21 — 5 O'Clock Theatre, "The Showing," Pavilion Theatre. Wednesday-Thursday, 5:20 p.m., Friday, 7:20 p.m.

Thursday, Mar. 20 — HUB Terrace Room and Lion's Den birthday party, marking twenty years of food service.

Thursday, Mar. 20 — Phi Mu Alpha dance, 9 p.m., HUB ballroom.

Thursday, Mar. 20 — Seminar on locating journals in Pattee, 7 p.m., W110 Pattee Library.

Friday, Mar. 13 — Engineering Acoustics, 4 p.m., Room 165 Willard, Jerry G. Lilly on "Electro-Acoustic Feedback in Rectangular Reverberation Chambers."

Friday, Mar. 13 — Chemistry, 12:45 p.m., Room 333 Whitmore, John Siddall, Zeecon Corporation, on "Insect Juvenile Hormones."

Friday, Mar. 13 — Individual and Family Studies, 3:45 p.m., Room S-131 Human Development, Marian Radke Yarrow on "The Emergence and Functions of Prosocial Behaviors in Young Children."

Friday, Mar. 13 — Agronomy, 8:30 a.m., Room 111 Tyson, J. P. Mueller on "Agriculture in Viet-Nam."

Friday, Mar. 13 — Man-Environment Relations, 4 p.m., Room S131 Human Development, Dr. John Cassel, School of Public Health, North Carolina University, on "The Human Environment in Its Relation to Health."

Friday, Mar. 13 — Transportation Institute, 2:20 p.m., Room 189 Materials Research Laboratories, Yupo Chan, civil engineering, on "Review: Theory and Current Practice."

Friday, Mar. 13 — Air Pollution Con-

Exhibits

Museum of Art — Carlo Maratti and His Contemporaries: Drawings from the Roman Baroque, Gallery C, through March 16. Works by Will Barnett, Gallery A. Selections from the Permanent Collection Gallery B.

Zoller Gallery — Bill Hanson invitational, featuring work by Mark Dame and Walter Zimmerman, March 13-22.

HUB Gallery — "German Posters of Today," a Smithsonian Institution Exhibit, until March 16. "Century of the 1890's," a French Embassy Exhibit, opening March 17. Ground Floor, Multimedia exhibit of Renaissance Gallery crafts and art works, sponsored by HUB Arts and Crafts Committee, until March 30.

Pattee Library — American Women Writers, 1600 to present.

Pollock Lounge — Paintings, sketches and ceramics by Rich Galenece, Mar. 10-17. Art Class Murals, Design Class Projects, opening March 18.

Chambers Gallery — Peter Calaboyias, sculpture, and Howard Lieberman, graphics.

Photography Gallery, 212A Arts Bldg. — Walker Evans Portfolio, opening March 18.

Sackett Gallery — Movement, projects by architecture students.

Kern Gallery — Prints by graduate students Paul Harcharik, Kurt Varnke, and Charles Moore, during March. Ceramics by 21 members of the Art Alliance Potters Guild, during March. Photography by students in the Department of Journalism, also through March.

Note: the visit to the University Park campus of the Japanese Ambassador to the U.S., Takeshi Yeshkawa, scheduled for March 20, has been cancelled due to illness. He was to have given a public lecture and led a seminar discussion on that day.

Thursday, Mar. 20 — Chapel Studies Club Student Worker's Day, 11 a.m.-5 p.m., HUB ballroom. Workshops, speakers. Films from 9 a.m.-1 p.m., HUB assembly room.

Friday, Mar. 21 — PSU Symphony Orchestra, 8:30 p.m., University Auditorium.

Friday, Mar. 21 — Commonsplace Coffeehouse, 8 p.m., Room 112 Kern.

Friday, Mar. 21 — Campus 4-A Club Dance, 7 p.m., HUB ballroom.

Saturday, Mar. 22 — Alpha Phi Omega First Aid Skills Competition, 12 noon to 6 p.m., HUB ballroom.

Sunday, Mar. 23 — Katherine Kello, piano recital, 8:30 p.m., Music Bldg. recital hall.

Sunday, Mar. 23 — Colloquy program, R. Buckminster Fuller, architect and engineer, on "Humans in the Universe," 8 p.m., University Auditorium.

Sunday, Mar. 23 — Free-U classes begin.

Sunday, Mar. 23 — Chapel Service, 11 a.m., Eisenhower Chapel, Rev. Charles L. Coleman, Program Director of Religious Affairs.

Sunday, Mar. 23 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

Tuesday, Mar. 18 — Plant Pathology, 9:45 a.m., Room 213 Buckhout, Dr. James Tammern, organizational meeting for all graduate students.

Tuesday, Mar. 18 — Solid Waste, 2:20 p.m., Room 140 Fenske.

Tuesday, Mar. 18 — Engineering Science and Mechanics, 4 p.m., Room 215 Hammond.

Tuesday, Mar. 18 — Chemical Engineering, 3:45 p.m., Room 140 Fenske, W. R. Schwallier, Princeton University.

Wednesday, Mar. 19 — Clinical Psychology, 8 p.m., Room 101 Kern. Dr. Jerome L. Singer, Yale University, on "Imagery and Fantasy Techniques in Psychotherapy and Behavior Modification."

Wednesday, Mar. 19 — Ecology, 3:55 p.m., Room 101 Electrical Engineering East.

Wednesday, Mar. 19 — Chemistry, 4 p.m., Room 333 Whitmore. Robert H. Bugel, ICI University, on "Evaluating Economics of New Chemical Processes."

Wednesday, Mar. 19 — Biochemistry, 4 p.m., Room 101 Althouse. Dr. Fred Karush, microbiology, University of Pennsylvania School of Medicine, on "Multivalence of Antibody and Biochemical Affinity."

Wednesday, Mar. 19 — Fuel Science, 4 p.m., Room 301 Mineral Industries, Dr.

Films

Thursday-Sunday, Mar. 13-16 — Centre Cinema, "Paper Moon," 7:30 and 10 p.m. Thursday, Simmons lounge, Friday to Sunday, Forum Bldg.

Monday, Mar. 17 — Department of French film series, "Rules of the Game," directed by Renoir, 7 and 9 p.m., Room 102 Forum.

Wednesday, Mar. 19 — Commonsplace Theatre, "Gold Diggers of '37," 7:30 and 9:30 p.m., Room 112 Kern.

Thursday-Sunday, Mar. 20-23 — Centre Cinema, "The Way We Were," 7:30 and 10 p.m. Thursday, Simmons lounge, Friday-Sunday, Forum Bldg.

Official

Thursday, Mar. 13 — Classes begin for Spring Term, 8 a.m.

Thursday-Saturday, Mar. 13-22 — Drop-Add sub station open 1-4 p.m., HUB.



ARTISTS SERIES

Pianist Vladimir Ashkenazy, who will be featured on the Artists Series Sunday, March 16, at 8:30 p.m. in University Auditorium, will play a program including Mozart's Rondo in A Minor; and Schubert's Sonata in D Major; and teneludes by Rachmaninoff. It is unlikely that any tickets remain for sale, since virtually all were taken by season ticket subscribers and the remainder went on sale the past Tuesday.

But tickets will be available for the Artists Series film in the Charlie Chaplin series Wednesday, March 19, in University Auditorium at 8:30 p.m. The film is "Monsieur Verdoux." The tickets go on sale at the Auditorium at 7:30 p.m.

Alexander Koval, Combustion Lab., on "Oil Shale Processing."

Thursday, Mar. 20 — Physics, 3:35 p.m., Room 117 Osmond. Stanley Deser, Brandeis University, on "Quantum Gravity for Nonexperts."

Thursday, Mar. 20 — Chemistry 12:45 p.m., Room 333 Whitmore. Andrew Wojcik, Ohio State University, on "Reactions of Hydrocarbon Ligands in Transition Metal Complexes."

Thursday, Mar. 20 — Plant Pathology, 8 p.m., Room 213 Buckhout. David R. MacKenzie on "What Is The Green Revolution?"

Thursday, Mar. 20 — Transportation Institute, 2:20 p.m., Room 189 Materials Research Lab. James Miller, Lecturer in Business Logistics, on "Small Transit Demand."

Thursday, Mar. 20 — Agronomy, 8:30 a.m., Room 111 Tyson. Ho Jin Lee on "Carbon Production and Accumulation During the Filling Period in Small Grain."

Thursday, Mar. 20 — Air Pollution Control, 2:20 p.m., Room 140 Fenske. Douglas Cooper, Head, Control Systems Division, GCA Technology Division, Bedford Mass., on "Novel Uses of Electrostatics for Particle Control."

Thursday, Mar. 20 — Statistics, 4 p.m., Room 69 Willard.

WPSX highlights

Saturday, March 15 — Joseph Papp, Shakespeare Festival Theatre, on Ed Newman's "Speaking Freely," at 4 p.m.

Sunday, March 16 — On "Now," the ideas of British economist E. F. Schumacher, developer of Third World Alternative to industrialization, at 7:30 p.m.

Monday, March 17 — Henry Fonda, as Clarence Oarrow, on The PBS Special of the Week, at 8 p.m., a 90-minute special that includes the film "Pat Garrett and Billy the Kid."

Monday, March 17 — At 10 p.m., WPSX reminds us of its ten-year history, with Nancy Miller and Bob Dudley and excerpts of programs. Also Tuesday, March 18 at 3 p.m. and Saturday, March 22, at 1:30 p.m.

Wednesday, March 19 — "Polopoli" is performed at LaScala in Milan, at 9 p.m. on "Great Performances."

HUB specials

Monday, March 17 — Lunch, stuffed pepper, \$3.95; dinner, meatloaf, \$85.

Tuesday, March 17 — Lunch, spaghetti, \$1.22; dinner, El Pasa's Day Candlelight Dinner, \$154.

Wednesday, March 17 — Lunch, turkey turnover, \$1.12; dinner, beef stew, \$1.30.

Thursday, March 20 — Lunch, burrito on bun, \$5.44; dinner, roast turkey, \$1.27.

Friday, March 21 — Lunch, macaroni and cheese, \$3.99; dinner, french fried chens, \$1.58.

Saturday, March 22 — Lunch, chili con carne, \$6.99; dinner, franks and beans, \$1.03.

Sunday, March 23 — Dinner, Salisbury steak with blue cheese, \$1.42; supper, braised beef, \$1.14.

HUB to celebrate with nickel coffee

It might take some doing, but you can remember the days of the five cent cup of coffee? Believe or not, that was the price of coffee in the HUB in 1955 when the Terrace Room and Lion's Den opened for business — and that will be the price again March 20 when HUB food service celebrates its two decades of serving the public.

There will be a special dinner menu also — entrees of roast turkey, prime ribs of beef, seafood Newberg, and veal Cordon Bleu, and baked stuffed potato — and a birthday cake (midnight layer cake) available at both lunch and dinner.

There also will be music by two singing groups of Phi Mu Alpha, music non-ordinary society.

Actually, the first meal served in the HUB was the Big Centennial Dinner, Feb. 22, 1955, marking the University's first hundred years. Six hundred guests, including faculty and staff, University ad-

ministrators, Pennsylvania legislators and executives of the State government, including the Governor, attended the gala affair, a fitting climax to an entire day of birthday activities.

For the next three weeks after that HUB birthday dinner, the Terrace Room and Lion's Den crews practiced to perfect their food service operations, and on March 15 the Food Service formally opened to the public. Students, faculty and staff, as well as the public, have enjoyed the service ever since, to the point that expansion of the facilities became necessary. Soon a new addition to the HUB will be completed, with new kitchens, a dining facility seating 780 people, and the Terrace Room will become the extension of the Lion's Den. One of the popular features in the Terrace Room has been the Candlelight Dinner for special occasions. One such occasion is coming up, St. Patrick's Day, which will be observed March 18. The menu will feature a boiled dinner.

E. C. Stakman to speak March 26

One of the most respected scientists in the field of plant pathology, Dr. Elvin C. Stakman, professor emeritus of the University of Minnesota, will speak on "Hunger and Agriculture in History" at a special seminar open to the public Tuesday, March 26, at 9:45 a.m. in Room 301 Agricultural Administration Bldg.

The seminar is sponsored by the department of plant pathology.

Dr. Stakman, who is co-author of the 1967 book, "Campaigns Against Hunger,"

served on the Minnesota faculty from 1909 to 1953, and followed that service with consulting and advisory work in a variety of activities. He was a special consultant to the Rockefeller Foundation from 1953 to 1970, leading to such success stories as "The Green Revolution." He has received many honors and awards, a number of them of international significance, and has been named one of the 100 most important men in the world. He was decorated by the Colombian government.

Artists Series announces schedule

Advance brochures announcing the 1975-76 Artists Series were mailed this week to holders of season tickets this year, with the notation that they will have until April 25 to renew their subscriptions for the coming year.

Highlights of the Music Series in University Auditorium will be the appearances of Leontyne Price, soprano of international acclaim; symphony orchestras from The Netherlands and from Stockholm in addition to the Pittsburgh orchestra; Mischa Dichter, pianist; and the Monteverdi Choir and orchestra from Hamburg.

The Pittsburgh Symphony, scheduled for Feb. 6, 7 and 8, 1976, will present the John La Montaine work, "Be Glad Then,

America," commissioned by the Institute for Arts and Humanistic Studies as part of the Bicentennial Celebration at the University. The University Chorus and guest soloists will be featured.

The Theatre/Dance Series will include the Alvin Ailey company, Nikolas Dance Theatre, the Pennsylvania Ballet, the Don Cossacks of Rostov, the musical "1776" and a fully-staged production of "King Lear" by the American Shakespeare Theatre, starring Morris Carnovsky. These events will also be in University Auditorium.

The Fine Arts Series, in Schwab Auditorium, will include Music from Marlboro, Hume Cronyn and Jessica Tandy, lutenist Martin Best, the Curtis Opera Co., harpsichord Igor Kipnis, and the Boston Symphony Chamber Players.

There will also be a special event in Rec Hall. The Chinese Acrobats of Taiwan, on Oct. 15, and other events related to the Bicentennial Celebration but not part of the subscription series.

The Artists Series reminds that earlier buyers have a greater choice of seats, since ticket requests are honored in the order in which they are received. Season ticket orders from new patrons will be filled starting in May.

Weiss documents added to library

The documents forming the basis for Dr. Beno Weiss's recently published "An Annotated Bibliography on the Theatre of Italo Svevo" are now in the Rare Books and Special Collections Department of the University Library.

Dr. Weiss, assistant professor of Italian, worked at the Svevo archive at the Biblioteca Civica in Trieste, and his bibliography, numbering 718 items, was primarily based on his research there. As he completed the series, he arranged for photocopying and microfilming of the documents listed in the bibliography, and these copies were sent to the Library.

Italo Svevo (Ettore Schmitz) is perhaps best known for his now-translated work, "The Confessions of Zeno," and was also the subject of an essay by his close friend, James Joyce.

The annotated bibliography appeared as part of the Library's Bibliographical Series in 1974.

York exhibit

Handwoven pieces, designed and made by one of the leading handweavers of the nation, went on display at York Campus last Sunday. Hausner, who was born in Vienna and received his education there, came to this country in 1948, after nine years in Great Britain. He has spent his lifetime of work in handweaving and in York was quality control manager for a textile firm until its recent closing. He has had many exhibitions of his work and has published more than 30 articles in leading handweaving publications. The exhibit will continue until April 18.

For emergencies, call 110 from 863-865

The Department of University Safety points out that the EMERGENCY NUMBER for reporting a life threatening situation such as fire, injury, or a crime in progress, is 110. This number should be used when calling from a University exchange number 863 or 865. The EMERGENCY NUMBER (110) will not work from a 234, 237, or 238 exchange number. The EMERGENCY NUMBER is located on each telephone cradle and visible when lifting the telephone receiver. It is suggested that the number 110 be memorized and used in an emergency.

The EMERGENCY NUMBER rings in on the panel at the dispatcher's desk at Police Services. As soon as a call is received on 110 the dispatcher can transmit, via radio, to all officers on foot, patrol vehicles, safety services personnel, as well as at Rileigh Health Center, which is equipped with a telephone, on both at the Health Center and in the University ambulance. In addition, direct communication can be made to the Alpha Fire Company in the Borough if additional help is needed.

At the time of an emergency if the call is placed to Police Services on the 865-5456 number, or to the University telephone operator, it means a delay in getting help to the scene of the emergency. The 865-5456 number requires extra dialing and the operator must in turn call on the emergency line.

NEWS —

(Continued from page one)

part of the orchestra's concert Friday, March 21, at 8:30 p.m. in University Auditorium. Dr. D. Douglas Miller, assistant professor of music, conducts the 90-piece orchestra and has selected Tchaikovsky's Symphony No. 4, and the prelude to Wagner's "Die Meistersinger" to complete the program. Miss Brook is a graduate student in piano and a teaching assistant in music.

NEW STUDENTS

About 1,200 new students enrolled at the University Park campus this week, including 45 enrolled as first-term freshmen and 135 from other colleges. About 750 were transfers from other campuses.

MUSIC PROGRAMS

Two department of music programs are scheduled for next week, a flute recital by faculty member Overa Page Wednesday, March 19, at 8:30 p.m., and a vocal recital by baritone Walter Wells, M.F.A. candidate, Monday, March 17, at 8:30 p.m. in the Music Bldg. recital hall. Both programs are free and open to the public.

HUB PARKING

For the next approximately three months, the Brown F (HUB) parking area will be closed to parking for regading, paving, and lining. During that time, faculty and staff members normally assigned to that area may park in any designated open faculty-staff parking areas from 7 a.m. to 5 p.m. At that same period, visitors may park in designated visitors parking areas such as Blue F and Yellow F, which are the areas closest to the HUB. After 5 p.m., any area may be used.

EVANS PHOTO EXHIBIT

Famous black-and-white photographs of the 1930s by Walker Evans, who is considered to have had a wide impact on photography, literature, film and other visual arts, are to be exhibited in the photography gallery of the Arts Building (Room 212A) beginning March 17 and continuing through April 15. The photos are scenes of Louisiana, Alabama, South Carolina, Massachusetts, New York and Pennsylvania. Evans was credited with introducing new directions in photography in the 'thirties. Gallery hours are 1 to 5 p.m. Monday through Friday.

Fleet insurance changed to PMA

Effective March 1, 1975, the University replaced its insurance coverage on its fleet of vehicles with a policy issued by the Pennsylvania Manufacturers' Association Insurance Company, which had previously insured the fleet for a number of years.

Consequently, says Wilson M. Carr, Jr., manager of insurance, all departments are asked to remove the insurance cards issued by Argonaut Insurance Co. from the glove compartments of each vehicle; they are no longer valid. New cards provided by PMA Insurance Co. will be furnished to all departments with vehicles under their jurisdiction, as soon as the cards are received.

No change in the manner of reporting automobile accidents is required because of the change in insurers; all accidents will continue to be reported to the Insurance Office by use of the vehicle accident report form found in all vehicles.

COUNCIL —

(Continued from page one)

refer the matter to Dr. Raymond O. Murphy, vice-president for student affairs, with the suggestion students be informed of provisions for reporting such matters by publication of appropriate notice in the Student Handbook.

Council was advised by Otto E. Mueller, assistant vice-president for housing and food service operations, that a plan is near completion whereby students at Commonwealth Campuses visiting University Park campus could utilize their Commonwealth Campus bus tickets for service to University Park dining halls at reduced rates. The plan will be instituted on an experimental basis during the Spring Term. Council was advised.

Dr. Charles L. Hosler, chairman of a subcommittee making a biennial review of the organization and purpose of University Council, made a preliminary report at the Thursday meeting, at which Charles J. Smith presided in the absence of the Council chairman, Dr. Russell E. Larson.

Council will hold its next meeting on Thursday, March 20.

Funding Opportunities

For procedural and funding source information, call 665-1372.

March 13, 1975

(170-1) A Report on the Federal RAD Program for FY 1976 has been issued by the National Science Foundation as compiled by members of the Federal Council for Science and Technology (FCST). Highlights presented in the 168-page document focus on program content rather than budget detail. The information is classified by agency program and by funding source. The agencies featured are: Agriculture, Commerce, Defense, DHEW, HUD, Interior, Justice, State, DOT, EROA, EPA, FEA, NASA, NSF, NRC, Smithsonian, and VA. Functional areas are: basic science, climate, energy, environment, food, health/biomedical, materials, oceans, and social activities of the eleven committees under the FCST are included in the report which may be consulted in Room 9 Old Main or excerpts will be sent upon request. (Ref. 16b).

(170-2) Transportation projects serving the elderly (and the handicapped) will be funded by the U.S. Dept. of Transportation (DOT) under a working agreement with the Administration on Aging (AOA). \$20 million is available in FY 1975 for capital assistance grants (see 16b)(DOT) and \$500 million for rural-urban transportation capital expenditures. UMTA also has research and development grants to test innovative approaches. \$26 million has also been appropriated under the Fed-

eral-Aid Highway Act for demonstration programs. Also, AOA funds the development of comprehensive and coordinated services for the elderly. March 15, 1975 additional transportation services recommendations will be submitted to the Congress. (Ref. AUA Pub.)

(170-3) HEW has released proposed regulations for bilingual vocational training programs. Grants and contracts will be awarded to develop and coordinate services for the education of limited English-speaking ability as semi-skilled or skilled workers. Programs will be offered to high school dropouts, high school graduates and others who have entered the labor market and who need training to expand skills and achieve year-round employment. The grant application deadline is April 7, 1975. This information has been distributed. (Ref. 40FR855-8, 8884-82; 3/4/75) (ORD 1500)

(170-4) Regulations and grant guidelines for supplementary educational centers and services; guidance counseling, and testing — special programs and projects for local educational agencies have been issued by the Office of Education. The community council (managerial) may include representatives from local educational agencies and the same sources are recommended as resources for technical assistance to the program. This information has been distributed. (Ref. 40FR8176-8186, 2/26/75)

(170-5) The Office of Education has issued rules and regulations for State Vocational Educational Programs including cooperative arrangements with institutions of higher education concerning manpower needs and job opportunities, designation of a state research coordinating unit, and work-study programs for vocational education stu-

dents. This information has been distributed. (Ref. 40FR8676-8698, 2/25/75)

(170-6) The American Revolution Bicentennial (ARBA) has issued guidelines for Bicentennial Projects for FY 1975 revenue bond matching grant assistance to non-profit organizations. The program is administered by ARBA, Office of States, Programs and Master Calendar, 200 E. Street N.W., Washington, O.C. 20276 (202-634-1717). This information has been distributed. (Ref. 40FR 8594-86, 2/26/75)

(170-7) The Argonne National Laboratory has announced that video tapes of the presentations made at the DOE Ethno Heritage Studies Program Symposium "Mechanisms of Oncogenesis" held at Argonne are available. The 17 presentations are on 17 videocassettes (1/2 inch). A list of the presenters is available. This information has been distributed through inter-library loan. This information has been distributed. (Ref. AUA Newswrap)

REMINER AND DEADLINE DATES
March 21 for DOE Ethno Heritage Studies Program (Jan. 16 INTERCOM #5126-21) — March 31 for NSF research on environmental effects of geological development (Feb. 13 INTERCOM #5160-13)
April 1 for Pa Resident gubernatorial election (Jan. 16 INTERCOM #5126-21)
April 1 for DHEW New Health Maintenance Organization projects (Feb. 17 INTERCOM #5160-17)
April 15 for PENNAP technology dissemination (Feb. 13 INTERCOM #166-17) — sell proposals (Feb. 13 INTERCOM #166-17)
April 15 for NEA City Split program (Jan. 20 INTERCOM #5170-20)
April 30 extended for AUA doctoral dissertation support (Jan. 20 INTERCOM #5170-20)
May 9 for HRA Health Maintenance Research Centers (Feb. 27 INTERCOM #5160-27)

PENN STATE intercom

Volume 4, Number 27

March 20, 1975

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

President's statement made March 12, 1975

Oswald discusses Shapp's budget proposals

"I am deeply concerned at the harsh implications for Penn State of the budget recommendations presented in the Governor's budget message for 1975-76. I thoroughly understand the status of the economy and the strained estimates of revenues in the Commonwealth; and Penn State, of course, expects to carry its appropriate share of adjustments to live with the economic realities.

However, the Governor's budget allocations for Penn State of \$123.6 million for 15 months is actually less than \$100 million on a 12-month basis whereas \$114.5 million was requested as absolutely essential for the coming 12-month period. A realistic and stern analysis of the Governor's proposal contains four most serious implications for Penn State.

First, the State's research support to the University is cut by 20 per cent, a slash which will require reductions in the research programs in food, energy, coal, oil, transportation and other areas at a time when society's needs in these areas are most demanding. A 20 per cent cut in funds for research, from \$17 million during the current year to \$13.6 million on a 12-month basis or \$17 million for 15 months, is an extreme deprivation which will greatly and regrettably affect many of our capabilities for service to the people of the Commonwealth for many years to come.

Secondly, the budget proposes a 14.5 per cent reduction in support of medical education. This comes at a time when our most modern medical center in the Commonwealth is coming into maturity and achieving national recognition, and at

a time when it is beginning to fulfill the critical health care needs of rural Pennsylvania. Since the same amount for medical programs is allocated both for a 15-month fiscal period next year as for the 12-month period this year, the Governor's budget seems to assume there could be three months of operation without expenditures, which, of course, is not the case.

Thirdly, the Governor's budget provides no recognition of the mandated payment to the State of the \$4.6 million increase in retirement benefits alone or for adequate provision for increased inflationary costs. Finally, it will not be possible to make salary increases of a desired level unless additional State funds are secured. Furthermore, implementation will have to be related to the fiscal year change.

Overriding all of these specific concerns

is the paradoxical effect of the Governor's proposal of a transitional 15-month budget which works to the fiscal advantage of the State and to the fiscal disadvantage of Penn State. The critical factor at the University is the inclusion in the 15 months of two Summer Terms, which characteristically produce substantially less tuition and fees income than is needed for operational costs during those summer periods.

It is vital that the citizens of Pennsylvania and the many members and friends of the University community throughout the Commonwealth understand clearly the potential impact of the proposed appropriation.

With this shortfall of approximately \$14 million in State funds, it becomes obvious we cannot avoid a tuition increase.

Faced with the budget program presented Tuesday, the people of Pennsylvania must understand what will happen to their land-grant University with declining State support, especially in the critical fields of research and medical education.

I shall make every possible effort to carry our concerns to the members of the Legislature and to the Administration as well as to our many constituents throughout the Commonwealth as this budget is considered in the weeks ahead."



Gwendolyn Brooks

Brooks reading

Gwendolyn Brooks, Pulitzer Prize winning poet, will read from her works and comment in a program Tuesday, March 25, which is related to her visit here for the "Women and Creativity in Arts" program this term.

The reading will be held in the Black Cultural Center, Walnut Bldg., at 8 p.m. All these lectures and readings in this series are free and open to the public.

Gwendolyn Brooks, who is poet laureate of the state of Illinois, was born in Kansas but spent most of her life in Chicago and was educated in the Chicago school system. She was graduated from Wilson Junior College.

Among her books are "A Street in Bronzeville," "Annis Allan," "Maud Martha" (a novel), and "In the Mecca," a book-length poem acclaimed by critics. Her autobiography, "Report from Part One," was published in 1972 and acclaimed by the New York "Times" as "one of the most valuable books of recent times."

A Gwendolyn Brooks Library has been founded at Western Illinois University and at the Black Woman's Committee House in Chicago; another library has been established in her name.

Alumni Fellows here in April

Nine Penn State alumni who have distinguished themselves in their professions will return to the University at various times in April as Penn State's third contingent of Alumni Fellows.

The Fellows program offers students, faculty and staff in the College a chance to meet formally and informally with the prominent alumni, who return to their Alma Mater to exchange views, experiences and advice.

The 1975 Alumni Fellows and their host Colleges are:

Dr. Walter R. Tkach, former White House physician, now with the Office of the Command Surgeon, Andrews Air Force Base, Md., College of Science and the Milton S. Eshelby Medical Center.

Dr. George J. Bair, retired director of technical staff services for Corning Glass Works, College of Earth and Mineral Sciences.

News in brief

BOOKS FOR FACULTY

A "booktruck" from the College Marketing Group will be located outside the University Park Bookstore, McAllister Bldg., from 9 a.m. to 4 p.m. on Monday, Mar. 24. The truck, which displays books arranged by college courses from the 131 publishers of the College Marketing Group represents, is one of four such vehicles operating across the country to introduce faculty members to new books. The visit is sponsored by the Bookstore.

PATENT GRANTED

A U.S. Patent has been granted to Walter S. Gearhart, assistant professor of engineering research at the Applied Research Laboratory, for a wobble-plate pump, which is used to move heavy liquids such as sewage, slurries, and industrial wastes containing stringy substances. The new pump is said to have a high resistance to clogging. The new pump also has a balanced impeller disc to resist failure from vibration or bearing wear.

BOWLING TOURNAMENT

The annual Rec Hall Bowling Tournament, with trophies for both handicap and scratch competitors, will be held at the new lanes the week of April 8-12.

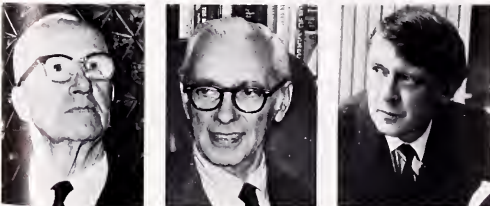
The tournament, open only to staff, faculty and students, is by teams only and the entry fee of \$10 includes the bowling charge. In addition to awards for three-game totals, high single game scores will earn a trophy as well.

Entries may be submitted by calling Bob Bangs, 865-2152.

FOOTBALL FILM

A half-hour color movie of the highlights of the 1974 Penn State football season.

(Continued on page two)



Fuller

Montagu

Burgess

Buckminster Fuller, Montagu, Burgess speakers

Colloquy features population problems

A Colloquy program on the problems of population, free and open to anyone in the University community, will begin Sunday, March 23 with a talk by R. Buckminster Fuller, at 8 p.m. in University Auditorium. He will speak on "Humans in the Universe."

In the four days to follow, Colloquy will have talks by Ashley Montagu, anthropologist who was the member of the UNESCO Committee of Experts on Race who drafted the famous Statement on Race; by Anthony Burgess, author of "A Clockwork Orange"; a panel discussion on population; a video tape presentation on world population growth; and workshops on "Environment and Behavior" and "Non-Rational Man."

Fuller, whose accomplishments in architecture and engineering have led to a variety of honors, is most noted for his comprehensive philosophy, and especially for his concept of "Synergy."

Montagu, who will speak Monday, March 24 at 8 p.m. in Schwab Auditorium, on "The Challenge of Adaptability," is author of "Man's Most Dangerous Myths" and

"Man in Process," among many books. He has taught or conducted research at the British Museum, New York University, Hahnemann Medical College and Hospital, and Rutgers University. He is currently lecturing at Princeton University.

Burgess will speak on "The Meaning of 'A Clockwork Orange'" Tuesday, March 25, at 8 p.m. in Schwab Auditorium. Although his Clockwork Orange book may be most widely known, he is the author of sixteen novels and eight non-fiction works. He has been a teacher, education officer in the British Colonial Service, composer, pianist, translator, book reviewer, and an active participant in the theatre. He is on the staff of the Tyrone Guthrie Theatre in Minneapolis, as writer and consultant. His latest novel is "Napoleon Symphony."

The panel discussion on "Population" will be held Wednesday, March 26, at 7:30 p.m. in the HUB main lounge, with these panelists: Dr. Gordon de Jong, professor of sociology; Dr. Alvin R. Grove, associate dean of the College of Science; Dr. Ke Chung Kim, associate professor of en-

(Continued on page four)

University Park Calendar

March 20-30, 1975

Items to be included in this calendar should be sent to the editor, Room 312 Old Main, by Thursday of the week preceding publication.

Special Events

Thursday, Mar. 20 — HUB Terrace Room and Lion's Den birthday party, marking twenty years of food service.
Thursday-Friday, Mar. 20-21 — 5 O'Clock Theatre, "The Showing," Pavilion Theatre. Thursday, 5:20 p.m., Friday, 7:20 p.m.
Thursday, Mar. 20 — Phi Mu Alpha dance, 9 p.m., HUB ballroom.
Thursday, Mar. 20 — Seminar on locating parents, 7 p.m., W110 Pattee Library.
Thursday, Mar. 20 — Labor Studies Club Student Worker's Day, 11 a.m.-5 p.m., HUB ballroom. Workshops, speakers, films from 9 a.m.-1 p.m., HUB assembly room.
Friday, Mar. 21 — PSU Symphony Orchestra, 8:30 p.m., University Auditorium.
Friday, Mar. 21 — Commonsplace Coffeehouse, 8 p.m., Room 112 Kern.
Friday, Mar. 21 — Campus 4-H Club Dance, 7 p.m., HUB ballroom.
Saturday, Mar. 22 — Alpha Phi Omega First Aid Skills Competition, 12 noon to 6 p.m., HUB ballroom.

Saturday, Mar. 22 — Swim Marathon, for faculty-staff-grade students, 25-mile swim, sponsored by Penn State Aquatic Program, starting at 7 a.m., Natorium.
Sunday, Mar. 23 — Katherine Kello, piano recital, 8:30 p.m., Music Bldg. recital hall.
Sunday, Mar. 23 — Colloquy program, R. Buckminster Fuller, architect and engineer, on "Humans in the Universe," 8 p.m., University Auditorium.
Sunday, Mar. 23 — Free-U classes begin.
Sunday, Mar. 23 — Chapel Service, 11 a.m., Eisenhower Chapel. Rev. Charles L. Coleman, Program Director of Religious Affairs.
Sunday, Mar. 23 — Black Christian Fellowship worship service, 11 a.m., Music Bldg. recital hall.
Monday, Mar. 24 — Teri Vincent Smith, soprano vocal recital, 8:30 p.m., Music Bldg. recital hall.
Monday, Mar. 24 — Colloquy program, Ashley Montagu, Ethnologist, on "The Challenge of Adaptability," 8 p.m., Schwab.

Tuesday, Mar. 25 — Artists Series film, Ingmar Bergman's "The Virgin Spring," 8:30 p.m., University Auditorium.
Tuesday, Mar. 25 — Gwendolyn Brooks, Pulitzer Prize-winning poet, reading from her work, 8 p.m., Black Cultural Center, Walnut Bldg.
Tuesday, Mar. 25 — Fashion Show, 7:30 p.m., HUB main lounge. Fashion Industry Interest Group.
Tuesday, Mar. 25 — Colloquy program, Anthony Burgess author, 8 p.m., Schwab, on "The Meaning of 'A Clockwork Orange'."
Wednesday, Mar. 26 — Alard String Quartet, 8:30 p.m., Music Bldg. recital hall.
Wednesday, Mar. 26 — Colloquy Panel discussion on "Population," 7:30 p.m., HUB main lounge, with Drs. Gordon De Jong, Alvin R. Grote, Ke Chung Kim, and Wilbur Zelinsky.
Wednesday, Mar. 26 — Colloquy Workshop, "Environment and Behavior," with Dr. Art Patterson, Man-Environment Relations, 1 p.m., Room 112 Kern.

Wednesday, Mar. 26 — "Noondays" devotional service, 12 noon, The Chapel.
Thursday, Mar. 27 — Colloquy Workshop, "Non-Rational Man," 1:30 p.m., Room 112 Kern. Dr. Jack Spielvogel, history.
Thursday, Mar. 27 — Pennsylvania Vocal Ensemble, Easter portion of Handel's "Messiah," 8:30 p.m., Music Bldg. recital hall.
Friday, Mar. 28 — Commonsplace Coffeehouse, 8 p.m., Room 112 Kern.
Sunday, Mar. 30 — Elizabeth Wolf, piano recital, 3:30 p.m., Music Bldg. recital hall.
Sunday, Mar. 30 — Chapel Service, 11 a.m., Music Bldg. recital hall, University Choir's Easter program, Tommie Irwin, choir.
Sunday, Mar. 30 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

Seminars

Thursday, Mar. 20 — Biophysics, 4 p.m., Room 617 Life Science. George Czerlinski, Northwestern University, on "Chemical Relaxation Kinetics Applied to Enzyme Systems."
Thursday, Mar. 20 — Physics, 3:35 p.m., Room 117 Osmond. Stanley Dever, Brandeis University, on "Quantum Gravity for Nonexperts."
Thursday, Mar. 20 — Chemistry 12:45 p.m., Room 333 Whitmore. Andrew Wieglicki, Ohio State University, on "Reactions of Hydrocarbon Ligands in Transition Metal Complexes."
Thursday, Mar. 20 — Plant Pathology, 8 p.m., Room 213 Buckhout. David R. MacKenzie on "What Is The Green Revolution?"
Thursday, Mar. 20 — Transportation Institute, 2:20 p.m., Room 189 Materials Research Lab. James Miller, Lecturer in Business Logistics, on "Small Transit Demand."
Thursday, Mar. 20 — Statistics, 4 p.m., Room 69 Willard.

Thursday, Mar. 20 — Agronomy, 8:30 a.m., Room 111 Tyson. Ho Jin Lee on "Carbonyl Production and Accumulation During the Filling Period in Small Grain."
Thursday, Mar. 20 — Air Pollution Control, 2:20 p.m., Room 140 Fenske. Douglas Cooper, Head, Control Systems Division, GCA Technology Division, Bedford, Mass., on "Novel Uses of Electrostatics for Particle Control."
Thursday, Mar. 20 — Engineering Acoustics, 4 p.m., Room 165 Willard. Dr. Suzanne T. McDaniel, Applied Research Laboratory, on "The Parabolic Approximation in Underwater Acoustic Transmission."
Monday, Mar. 24 — New Communities. Architecture, 2 p.m., Room 322 Sackett. Dr. R. C. Harkness, Urban Systems Planner, Seattle, Washington, on "Innovations in Telecommunications — Telecommunications as a Potential Facilitator of New Urban Development Patterns."
Monday, Mar. 24 — Genetics, 3:55 p.m., Room 111 Tyson. Dr. Peter Ferrel, forest genetics, Virginia Polytechnic Institute, on "Isozyme Research in Forest Trees — History, Problems, and Potential."

Monday, Mar. 24 — InterScience series, 4 p.m., Room 333 Whitmore. Dr. Ronald B. Herberman, Laboratory of Cell Biology, National Cancer Institute, on "Murine Virus Induced Leukemia and Sarcoma."
Tuesday, Mar. 25 — Chemical Engineering, 3:45 p.m., Room 140 Fenske. J. C. Fried, University of Rochester, on "Studies of Flow Oscillation in Cryogenic Fluid Heat Exchangers."
Tuesday, Mar. 25 — Solid Waste Management, 2:20 p.m., Room 140 Fenske. John R. Rosso, Sanitary Engineer, DER, Division of Solid Wastes Management, Harrisburg, on "Quality Control and Construction Management for Sanitary Landfill Design."
Tuesday, Mar. 25 — Comparative Literature, luncheon and discussion, 12:16 p.m., Presidential Room in the Corner Room.
Wednesday, Mar. 26 — Biochemistry, 4 p.m., Room 101 Althouse. Dr. Leslie P. Kozak, Jackson Lab., Bar Harbor, Maine, on "Embryonic and Adult Isozyme Forms: Molecular Probes of Differentiation."

Thursday, Mar. 27 — Agronomy, 8:30 p.m., Room 111 Tyson. Dave Belesky on "Zinc Status in Pennsylvania Forages."
Thursday, Mar. 27 — Transportation Institute, 2:20 p.m., Room 189 Materials Research Lab. Peter Everett, man-environment relations, on "Behavioral Approaches to Modifying Travel Demand."
Thursday, Mar. 27 — Physics and Biophysics, 3:35 p.m., Room 117 Osmond. A. V. Crewe, Dean, Physical Sciences Division, University of Chicago, on "The Scanning Transmission Electron Microscope and Its Limits of Resolution."
Thursday, Mar. 27 — Chemistry, 12:45 p.m., Room 333 Whitmore.
Thursday, Mar. 27 — Air Pollution Control, 2:20 p.m., Room 140 Fenske. P. Richard Rittelman, architect, Burt Hill & Associates, Butler, Pa., on "Solar Heating and Cooling of Buildings."
Thursday, Mar. 27 — Computer Science, 4 p.m., Room 325 Whitmore. Robert A. Wagner, Vanderbilt University, on "Correcting Regular and Counter-Automaton-Recognizable Languages."

Lecture

Tuesday, Mar. 25 — Dr. E. C. Stakman, Professor Emeritus, University of Minnesota, on "Hunger and Agriculture in History," 9:45 a.m., Room 301 Agricultural Administration Bldg.

Films

Thursday-Sunday, Mar. 20-23 — Centre Cinema, "The Way We Were," 7:30 and 10 p.m. Thursday, Simmons lounge, Friday-Sunday, Forum Bldg.
Monday, Mar. 24 — Commonsplace Theatre, "Ninotchka," Room 112 Kern.

Meetings

Monday, Mar. 24 — USG Senate, 7 p.m., HUB assembly room.
Tuesday, Mar. 25 — Volunteer Service Center, 7 p.m., HUB reading room. Laurelin placement session.
Tuesday, Mar. 25 — Engineering Undergraduate Council, 7:30 p.m., Room 207 Sackett.
Tuesday, Mar. 25 — College of Education faculty luncheon, 12:30 p.m., Room 101 Kern.
Tuesday, Mar. 25 — GSA Council, 7 p.m., Rooms 101 and 102 Kern.
Tuesday, Mar. 25 — ARHS, 7 p.m., Room 203 HUB.
Wednesday, Mar. 26 — USG Academic Assembly, 7:30 p.m., Room 351 Willard.

Official

Thursday-Saturday, Mar. 20-22 — Drop-Add sub station open 1-4 p.m., HUB.
Monday, Mar. 24 — Add deadline.

Krasner exhibit

A retrospective exhibit of collages and works on paper by Lee Krasner will be displayed in the Museum of Art at the University, March 23-April 27.

Some 85 works by Miss Krasner, wife of the late Jackson Pollock, will be included in the exhibition, covering a period from 1936 to the present.

Strongly identified with the abstractionist movement, the large paintings are included in many major collections, but her works on paper have not been widely exhibited. The current exhibition was organized by the Corcoran Gallery of Art, Washington, D.C., under the guest curatorship of Gene Baro.

A scholarly catalog is available with the show, indicating the relationship of the works on paper to her major paintings and the importance of collage in her art.

HUB specials

Monday, March 24 — Lunch, hot meat sandwich, \$1.52; dinner, beef stew, \$1.20.
Tuesday, March 25 — Lunch, scalloped ham and potatoes, \$1.19; dinner, spaghetti with meatballs, \$1.33.
Wednesday, March 26 — Lunch, double beefburger with cheese, soup, \$1.34; dinner, corned beef and cabbage, \$1.46.
Thursday, March 27 — Lunch, meatball hoagie and soup, \$1.56; dinner, Chinese pepper steak, \$1.14.
Friday, March 28 — Lunch, fishwich and soup, \$1.10; dinner, fisherman's platter, \$1.59.
Saturday, March 29 — Lunch, chili con carne, 69 cents; dinner, Spanish meatballs, \$1.04.
Sunday, March 30 — Dinner, roast turkey with dressing, \$1.71; supper, Italian meatballs, 92 cents.



Lee Krasner's "Forest No. 1," oil and paper on masonite. One of works on exhibit at Museum of Art, beginning March 23.

Exhibits

Museum of Art — Works by Will Barnett, Gallery A. Selections from the Permanent Collection, Gallery B. Lee Krasner: Collages and Works on Paper, Gallery C, opening March 23.
Zoller Gallery — Bill Hanson Invitational, featuring work by Mark Deme and Walter Zimmerman, March 13-22. "Invisibilities," faculty-student portfolio, March 14-April 12. Eadweard Muybridge, a traveling exhibition, March 24-April 12.
HUB Gallery — Ground floor, multimedia exhibit of Renaissance Gallery crafts and art works, sponsored by HUB Arts and Crafts Committee, until March 30. "Original Posters of the 1890's" — French Embassy Exhibit.
Pattee Library — American Women Writers, 1800 to present, through March 31.
Chambers Gallery — Peter Calaboyas, sculpture, Howard Lieberman, graphics, Photography Gallery — 212A Arts Bldg., Walter Evans Portfolio.
Sackett Gallery — "Movement," projects by architecture students until March 28.
Kern Gallery — Prints by graduate students Paul Harcharik, Kurt Warnke, and Charles Moore, until March 31. Ceramics by 21 members of The Art Alliance Potters Guild, until March 31. Photography by students in The Department of Journalism, until March 31.
Lounge — Design Class Projects, until March 24. Art Class Murals, until March 24. Jewelry and ceramics, opening March 25.



"Valley of the Yosemite, from Union Point, is this photo taken in 1867 by Edward Muybridge to be on exhibit, with others of his work, in the Zoller Gallery, beginning March 24, in observance of Photography Week.

Photography Week observed in Zoller

Two exhibitions will be displayed in Zoller Gallery at the University and a gallery lecture series is planned in recognition of national "History of Photography Week."

Photographs by Edward Muybridge from the Eastman House Collection and "Invisions 1975," a faculty-student portfolio, will be shown from March 24 through April 12 in the gallery in the Visual Arts Bldg.

Under the joint sponsorship of the Departments of Art and Art History, the photography exhibit includes 35 prints of photographs taken in the latter third of the nineteenth century.

A London native, Muybridge came to America in 1852. Commissioned by the government to photograph the Pacific Coast, his views of Yosemite Valley in 1867 were exhibited abroad and brought him his first widespread recognition.

By 1872 he was a successful commercial photographer, and in that year he began his experiments in animal locomotion photography for which he is best known. To settle a wager, he was commissioned to prove photographically that a galloping horse lifts all four feet off the ground at once.

Learn of problems of researchers

At Capitol, students get involved

For many college undergraduates, the scientist wrapped in a white robe is the high priest of modern society, delving into life's mysteries in the sanctuary of his laboratory.

So to show physicists as real people and to keep in touch with students of all callings, Dr. Joseph Pedulla, assistant professor of physics at Capitol Campus, decided to involve a broad spectrum of students in research in his field.

Over a period of five years, Dr. Pedulla had students in such programs as business, education, and the liberal arts helping with basic research at the campus, under the direction of graduate assistants. The story was recounted in a recent issue of "The American Journal of Physics."

"The time actually spent in the laboratory per credit varied somewhat from one student to the next," says Dr. Pedulla. "They regulated the hours to fit their own expectations." Usually the student spent one afternoon a week for three hours.

Student-researchers worked with properties of crystal structures, recorded data, built and repaired machines, conducted an inventory of the physics department equipment and assisted professors in original research.

Dr. Pedulla and other faculty members agreed that "the major reward to the faculty member was the opportunity to interact with students and to share his expertise and excitement." They felt the "largest benefit to the students was the possibility of seeing what physicists are really like and what physics is all about."

A battery of cameras with electrically controlled shutters recorded the analytical movement of horses and showed the falaciousness of the rocking horse movement traditionally depicted by painters.

In 1879 he invented the zoopraxiscope to project these photographs as moving images on the screen and thus paved the way for cinematography. Invited by Thomas Eakins, the American painter who had also made photographic studies of motion, to carry on his experiments at the University of Pennsylvania, he invented a much more sophisticated system to analyze not only movements of animals but also those of humans.

Both views of the early West and locomotion studies are included among the photographs to be shown.

The gallery lecture series will offer three talks by Phillip Conday, equipment curator at Eastman House, on "Stalking the Antique Camera," on Monday, March 31; Dr. H. K. Henrich, professor of the history of photography at Penn State, on "Early Photography in Eastern Europe," on Wednesday, April 2; and Peter Bunnell, Princeton University, on "Photography and Art in Our Time," on Friday, April 4. The lectures are at 8:00 p.m. in Zoller Gallery.

For many students the physics research was a healthy change from dry hours of lectures. The comments ranged from "just fantastic," to "you learn to think on your own," to "best lab course offered by the University."

Possibly the most perceptive remark came from one observer who sensed the problem of the white robed scientist when he said that students "discovered that scientists are not super brains conducting astonishing experiments, but are real people who have failures as well as successes and who clean bottles and empty trash."

COLLOQUY —

(Continued from page two)
tomology; and Dr. Wilbur Zelinsky, head of the geography department. The discussion will be preceded by a video tape, "Sorry No Vacancy," concerning the consequences of unrestrained world population growth. The tape will be viewed through the coming week in the HUB, Kern, and various residence halls.

Another video tape, "The World of Buckminster Fuller," will be shown by the Hetzel Union Board until March 23 in the HUB reading room.

Two workshops will be held, the first on "Environment and Behavior," Wednesday, March 26, at 1 p.m. in 112 Kern. Dr. Arthur Patterson, assistant professor of man-environment relations, will lead the discussion. "Non-Rational Man" will be the workshop topic Thursday, March 27, at 1:30 p.m. in 112 Kern. Dr. Jack Spielvogel, assistant professor of history, will be the leader.

Pennsylvania Vocal Ensemble program

Handel's 'Messiah' to be sung

The Pennsylvania Vocal Ensemble directed by Bruce Trinkle, assistant professor of music, will perform the Easter portion of Handel's "Messiah" at 8:30 p.m. Thursday and Friday, March 27 and 28, in the Music Bldg. recital hall.

Guest soloists Karen Scott, soprano, Kathryn Cowdick, contralto, John Suggs, tenor, and Douglas Miller, bass, will sing with the group. Musica da Camera, University chamber orchestra, will perform, assisted by June Miller, harpsichord, William Dole, bassoon, and Gregory Donovet-sky and Janet Olsen, oboes.

Parts two and three of "Messiah," which conclude with the "Hallelujah Chorus," will be performed. Familiar arias among the parts are the soprano "I Know That My Redeemer Liveth," the bass "The Trumpets Shall Sound," and the tinal "Amen Chorus."

Admission to the concerts, which will contain the same program, will be free, but tickets will be required. Tickets were made available beginning at 8:30 a.m. Wednesday, March 19, in Room 232 Music Bldg. and from members of the Pennsylvania Vocal Ensemble.

Biochemists paper noted

Anesthetics role studied here

The surgical team expects a simple, routine operation, but with the first breath of the anesthetic the patient begins to burn with a fever that climbs higher and higher until it ends in death.

This tragic scene, though rare, points up one of medicine's most baffling mysteries: how do anesthetics work?

Some of the answers may emerge from experiments in the College of Science, where biochemists have anesthetized and then revived beating in cells isolated from the heart of a rat.

Enroll children for art classes

Ten art classes for children and teenagers will be offered by the Department of Art Education during the latter part of the Spring Term. The classes will meet each Saturday, beginning April 5, from 8:45 to 10:45 a.m.

Further information or enrollment may be obtained by calling 865-6570 between 8 a.m. and 5 p.m. through April 1.

The classes being offered include the following:

For ages 6-7 — arts and crafts; drawing and painting.

For ages 8-12 — 3-D art; sculpture and crafts; drawing and painting.

For teens — ceramics; sculpture; drawing and painting; printmaking; jewelry.

Serials seminar

On Thursday, March 20 at 7 p.m. in W110 Pattee, the main Undergraduate Library, there will be a solution session for people who want to avoid problems in using the Serials Holdings List for locating magazines, journals and newspapers in Pattee Library. Topics to be covered include: how to determine what journals are published in your field; how to determine if Penn State has the journal you need, and in which library on campus it is located; and the use of microfilm and microfiche readers.

Date reminder

The deadline for adding courses is Mar. 24 and for dropping courses is Apr. 2.

The drop-add substitution in the Hetzel Union Bldg. will be open from 1 to 4 p.m. on weekdays until Mar. 24.

The deadline for applications to repeat a course is Apr. 2, which is also the deadline for preregistration for the Summer Term. Students may apply for pass-fail grades on Mar. 31, Apr. 1 and Apr. 2.

Preregistration for the Fall Term will be held May 1 to May 25.

Bus tours begin

Tours of the campus on the University's double-decker London bus are again available Monday through Friday during the Spring Term.

The bus leaves the Hetzel Union Building at 3:30 p.m. with a trained University guide describing features on the half-hour trip around the campus. Tickets are available at the Hetzel Union Bldg. for a donation of 25 cents.

Since those cells beat, even when removed from the animal's body and placed in culture, the scientists were able to measure the changes in the beat rate and strength caused by a common anesthetic.

The cell preparation provides what may be the first simple, quantitative mammalian model for the study of the way anesthetics work.

A paper titled "Effects of Halothane on the Beating Response and ATP Turnover Rate of Heart Cells in Tissue," describing the experiments, published in the February number of the journal, Anesthesiology, inspired an editorial in the same issue. The technique, writes Dr. John D. Michenfelder of the Mayo Foundation, offers potentially found in "no other mammalian tissue preparation available today."

Although beating heart cell preparations have been available for over a decade and have been used to test other drugs, they have never before been used to study anesthetics.

Linda J. Strong, a Ph.D. candidate; Dr. Charles R. Hartzell, assistant professor; and Dr. Richard L. McCarl, professor — all in the Department of Biochemistry — are co-authors of the paper.

The anesthetic studied has halothane, one of the most widely used inhalation anesthetics.

The researchers passed the anesthetics over the cells, measured the response, and then tested the cells again as the effect wore off minutes later.

Because they were working with small groups of isolated cells, they were able to obtain direct measurements of the cell changes uncomplicated by the additional inputs from the brain, lungs and other organs that occur in whole animal studies.

They found that halothane decreased both the rate and the strength of the beat of the isolated cells.

The finding corroborates what has been known about the heart's response in live animals under anesthesia: It slows down.

The researchers were then able to go further and trace the effect of halothane on the cell's energy producing processes.

Those data seem to indicate, Strong says, that beating slows down because the cells produce less energy when anesthetized.

Anesthetics, in short, may work by inhibiting the cell's metabolism or the way cells produce energy.

Previous studies, on brain tissue, had indicated that anesthetics might affect the cell's function, first, and then the altered function, requiring less energy, would slow down the metabolism.

Hartzell and McCarl think that both ways might be at work when an anesthetic acts.

Dr. Michenfelder concurs in his editorial: "It seems reasonable to expect a mixed response," in which energy production and energy requirements are simultaneously altered by anesthetics.

The Penn State team is pursuing the research in an effort to find the precise point in the energy-producing process where anesthetics interfere.

Ultimately, the researchers believe, the present work might have a bearing on the prevention of hyperthermia — sudden fever and death — caused by anesthetics. "In hyperthermia," says Hartzell, "the cell's energy metabolism appears to be coupled. All the molecular processes appear to stop their normal functions and turn to heat production."

PENN STATE intercom

Volume 4, Number 28

March 27, 1975

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

News in brief

JAZZ DANCE THEATRE

Jazz Dance Theatre will feature nine dances in its concert April 3, 4 and 5 at Playhouse Theatre; curtain is at 8 p.m. Tickets will be sold starting March 31 at the University Theatre box office; reservations may be made by calling 865-1984 beginning March 31.

Developed by Jean Sabatine, member of the faculty, Jazz Dance Theatre combines dramatic jazz dancing with its counterpart in jazz music. Unlike ballet, jazz dance gives the male dancer more than a supporting role and unlike modern dance, it emphasizes the dancer's role as a human being.

The pieces to be performed are titled: Impressions of the Blues; Angles of Impact; Family Tree; The Affair; Loneliness; Anne Boleyn; Black Despair; Men's Piece; and Nameless Hour.

FSHA 40 DINNERS

Food in the style of Rome, Renaissance Italy, and Medieval England will be featured by the Food Service and Hotel Administration 40 class in dinners at the Maple Room in the Human Development Bldg. within the next week. Today, March 27, the feature is Rome; April 2 the style will be in Italy of the 15th century, and on Thursday, April 3, the banquet of the Merrie Old England will be the model. Reservations may be made by calling 865-7441.

PIANO RECITAL

Guest pianist Elizabeth Wolff will present a recital of music by Brahms and Rachmaninov at 3:30 p.m. Sunday, March 31, in the Music Bldg. recital hall at the University.

To be performed are Brahms' "Sonata in F Minor, opus 5," in the first portion of the program and eight preludes from opus 32 and "Variations on a Theme of Corelli," opus 42, by Rachmaninov in the second half.

Now teaching in New York, she has previously served on conservatory faculties in the Twin Cities and Boston. She has concentrated extensively as soloist and with chamber ensembles, having recently performed in Amherst, Mass., as well as New York City and on Long Island.

GRANT FUND ESTABLISHED

Sons and daughters of employees of Standard Steel, Burnham, who plan to enroll as full-time baccalaureate candidates at Penn State in mechanical engineering, industrial engineering, metallurgy, or business administration, may receive grants of \$500 from the company, if they maintain a satisfactory academic record and show evidence of financial need.

CHAMBERS EXHIBIT

Graphic designs by Howard Lieberman, member of the art faculty of the Allegheny Campus, Community College of Allegheny County, and sculpture in bronze, aluminum, carbon and stainless steel by Peter Calaboytas are currently on display in Chambers (Bldg.) Gallery and will remain there until April 3. Lieberman, a Syracuse University graduate in advertising design, is displaying a non-visual film entitled "The Luminous Lunar Landscape," made up of 20 plastic vacuforms. Calaboytas, who is head of the art department at the Allegheny Campus, is a Penn State graduate and obtained his M.Ed. in art from Indiana University of Pennsylvania.

ICM SCHOLARSHIP

The ICM Corporation has established a scholarship fund for undergraduates in the College of Earth and Mineral Sciences, including in mining engineering.

GAMES CLASSES

Children of University staff and faculty may take part in the games and educational gymnastics classes conducted by the College of Health, Physical Education and Recreation in White Building each term.

Classes for Spring Term will meet Thursday afternoon, beginning April 3, from 4 to 5 p.m., continuing through May 15. The classes are for children in kindergarten through fourth grade.

Registration for the classes will be held the first day of class in White Building.

CAPITOL MEETING

Capitol Campus will be the host institution for the annual meeting of the Pennsylvania Political Science and Public Administration Association, April 4 and 5, at the Holiday Inn Town, Harrisburg.

Dr. Richard H. Heindel is chairman of the local arrangements committee. Dr. Robert Bresler is a member of the program committee and will be chairing the panel on American Government.

There will be 27 participants in the four panels — American Government,

International Relations, Comparative Government, and Topics in Political Research. The subject at the dinner on April 4 will center on the politics, policy, and the organization of large cities. Colleagues and students are invited to attend.

SPECIAL WEEK

President Oswald has designated the week of May 5 to 11 as a period of special recognition of International Women's Year, with the following proclamation:

"At the request of the Association for Women Students at Penn State, I designate the week of May 5 to 11 as a period for special attention to the purposes of International Women's Year, officially named by the United Nations and confirmed by President Ford. I encourage students, faculty, and staff to gain in understanding and appreciation of the contribution, abilities and achievements of women throughout the world."

The Association for Women Students hopes that various campus groups will focus programs and events during that week on the subject of women's accomplishments and goals.

BUILDING AWARDS

The physical education building at the Ogontz Campus of the University in Abington has received two building awards.

(Continued on page four)

Plan meetings for bicentennial year

More than 1,000 "town meetings" are being planned throughout Pennsylvania as part of a Bicentennial project, "Freedom: Then, Now and Tomorrow," to be coordinated by the University.

The University has received a grant to coordinate the statewide public education project, which will culminate in a "Convention on Freedoms" in Philadelphia in June, 1976.

Funds for the project are provided by The Public Committee for the Humanities in Pennsylvania, an affiliate of the National Endowment for the Humanities, and the Bell Telephone Company of Pennsylvania. The project is conducted as a continuing education program of the Department of History.

The emphasis of the undertaking is on active involvement of Pennsylvania's citizens, so the public can participate in a substantive way in the 200th birthday of the American Revolution. The town meetings will explore the foundations of basic freedoms, their evolution through the years, possible future interpretations of freedom, and the impact which could be made upon public policy issues through a better understanding of freedoms by citizens.

The town meetings will be supplemented by a variety of learning materials, such as video and audio tapes, films, and various specially prepared publications. Television broadcasts will also be used.

Lights out

Certain designated lighting fixtures in campus buildings will be removed, for use in future buildings, as part of the University's energy-saving program. These fixtures have been designated by little green circles, about one inch in diameter, painted in prominent places on the fixtures. However, they will not

Students, faculty comment

English 3 Pilot study results noted

Evaluation of the English 3 Pilot program for fall term has been completed. Dennis Brestensky, chairperson of the Pilot, reports that "student and faculty responses have been very favorable."

During the fall term, seven sections of the English 3 Pilot were taught on four Commonwealth Campuses: Altoona, Berks, Fayette, and Ogontz. At the end of the term, 179 students were given an objective course evaluation questionnaire.

Students consider the course to be practical and helpful as well as interesting and enjoyable, the results of the questionnaire would indicate, says Brestensky.

The data indicated that:

Students enjoyed the course "very much" or "quite a lot" — 70 per cent.

The format of the course was "excellent" or "good" — 60 per cent.

Investigative writing in response to a problem was "helpful" — 80 per cent.

The problem-solving techniques of the course will be applicable to other courses — 84 per cent.

Writing in response to a human problem increased their enthusiasm and commitment to a topic — 94 per cent.

Attitudes toward writing have changed "a lot" or "moderately" — 85 per cent.

The course increased their ability to write essays which relate judgments made to evidence assembled — 89 per cent.

The course increased their ability to express a critical analysis of ideas in clear, concise prose — 89 per cent.

English 3 will continue to emphasize problem-solving investigative writing — 87 per cent.

In contrast to the objective evaluation

be removed for at least several months after those designated lights are turned off, giving occupants of the room time to adjust to the reduced lighting and assess the lighting conditions in the area. If changes are needed, call 865-1117 (the 24-hour energy problem number) because it is easier to change the lighting pattern before the fixtures are removed.

Megan Terry to read works here

Playwright Megan Terry, best known for her Obie award-winning "Approaching Simone," will read from her works and offer commentary on Wednesday, April 2, at 8 p.m. in Room 101 Kern Graduate Bldg.

Terry initially came to national attention with "Viet Rock," the first American play to deal directly with the Vietnam War, the first rock-musical and the first play in which actors left the stage to touch members of the audience.

From 1963 to 1966, Terry worked closely with the Open Theatre in New York. She scripted several plays dealing with problems of sexual identity, including "Calm Down Mother," "Keep Tightly Closed in a Cool Dry Place" and "The Gloaming, Oh My Darling."

Later works are "The People vs. Ranchman," "Home," "Jack-Jack," "Massachusetts Trust" and "The Tommy Allen Show." In 1969-70, she illuminated new roads toward political and personal regeneration with "Approaching Simone." Her most recent play, "Househus," garnered critical praise last fall.

Her appearance is being co-sponsored by the Graduate Student Association and the Institute for the Arts and Humanistic Studies.

tool used by students, an open-ended, written evaluation was used by the teaching faculty. Writing about the most desirable aspects of the course, instructors demonstrated a high degree of agreement on the following: 1) the problem-solving approach; 2) investigative writing; 3) library usage; 4) integration of sequential writing assignments with a unifying theme; 5) increased motivation of students; 6) a practical, yet humanistic emphasis; 7) integration with other courses; 8) increased flexibility for students and instructors; 9) direct application to other courses and to life.

Representative of most faculty, one instructor wrote: "Problem-solving is a necessary critical and rhetorical skill in all disciplines. This immediate relevance heightens the students' feeling of need for this approach." Another said: "It gets the students into the library and into the community to find out what's happening — and then it forces them, unwilling as they might be to be forced in this manner, to evaluate information and data and come to reasoned conclusions." And furthermore, "the thinking behind this pilot project — that investigative writing is a useful tool — makes all the sense in the world. . . . What a student picks up in this course will likely have some application to what he or she does later in life, whether it is selling insurance, teaching elementary school students, or harvesting crops on a modern farm."

Brestensky reports that the winter term evaluations of the pilot are not complete. When they are, he believes the committee will have a more accurate and comprehensive understanding of the course's effectiveness. In the winter, 20 sections at 9 campuses were taught by 17 instructors.

As part of the winter term evaluation, all teaching faculty of the Pilot will meet at University Park on April 1 to discuss the strengths and weaknesses of the course.

University Park Calendar

March 27-April 6, 1975

Items to be included in this calendar should be sent to the editor, Room 312 Old Main, by Thursday of the week preceding publication.

Special Events

Thursday, Mar. 27 — Colloquy Workshop, "Non-Rational Man," 1:30 p.m., Room 112 Kern. Dr. Jack Spivey, history.

Thursday, Mar. 27 — FSHA 410 dinner, "Imperial Rome," 5:30 p.m., Maple Room, Human Development. Reservations required, 865-7441.

Thursday-Friday, Mar. 27-28 — Pennsylvania Vocal Ensemble, Eastern postions of Handel's "Messiah," 8:30 p.m., Music Bldg. recital hall.

Friday, Mar. 28 — Commonsplace Colloquy, 8 p.m., Room 112 Kern.

Sunday, Mar. 30 — Elizabeth Wolff, piano recital, 3:30 p.m., Music Bldg. recital hall.

Sunday, Mar. 30 — Chapel Service, 11 a.m., Music Bldg. recital hall. University Choir's Easter program, Tommie Irwin, director.

Sunday, Mar. 30 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

Monday, Mar. 31 — Marilyn Grochowski, soprano vocal recital, 8:30 p.m., Music Bldg. recital hall.

Monday, Mar. 31 — "History of Photography Week," gallery talk by Philip Conday, curator of equipment at Eastman House, on "Stalking the Antique Camera," 8 p.m., Zoller Gallery.

Monday, Mar. 31 Sports: Coed badminton and bowling round robin tournament; badminton, 7-9 p.m., bowling, 6:30-8:30 p.m.

Tuesday, Apr. 1 — Penn State Sport Parachute Club demonstration jump in area east of East Hall (weather permitting), 2 p.m. Meeting, with film "Masters of the Sky," 7 p.m., Room 361 Willard.

Tuesday, Apr. 1 — Artists Series film, Ingar Bergman's "Through a Glass Darkly," 8:00 p.m., University Auditorium.

Wednesday, Apr. 2 — University Theatre student preview, "Jazz Dance Theatre in Concert," 8 p.m., Playhouse Theatre.

Wednesday-Thursday, Apr. 2-3 — FSHA 410 dinner, 5:30 p.m., Maple Room, Human Development. Wednesday, "Renaissance Italy," Thursday, "Medieval England," reservations required, 865-7441.

Wednesday, Apr. 2 — Smith Toulson,

clarinet recital, 8:30 p.m., Music Bldg. recital hall.

Wednesday, Apr. 2 — Sports: Baseball, vs. Lehigh, 3:30 p.m.

Wednesday, Apr. 2 — Megan Terry, playwright, reading from her work, with commentary, 8 p.m., Room 101 Kern.

Wednesday, Apr. 2 — Jazz Concert, live radio broadcast, WDFM, 4-11 p.m., HUB assembly room.

Wednesday, Apr. 2 — "History of Photography Week," gallery talk by Dr. H. K. Henisch, professor of the history of photography, on "Early Photography in Eastern Europe," 8 p.m., Zoller Gallery.

Thursday-Saturday, Apr. 3-5 — 5 O'Clock Theatre, "Welcome to Oddfellows Hall," 7:30 p.m., Black Cultural Center, Walnut Bldg.

Thursday, Apr. 3 — Finals of cheerleading tryouts, 7 p.m., HUB ballroom.

Thursday-Saturday, Apr. 3-5 — University Theatre, "Jazz Dance Theatre in Concert," 8 p.m., Playhouse Theatre.

Friday, Apr. 4 — Marcus Chubbuck, piano recital, 8:30 p.m., Music Bldg. recital hall.

Friday, Apr. 4 — "History of Photography Week," gallery talk by Peter Bunnell, professor of the history of photography and modern art, Princeton University, on "Photography and Art in Our Time," 8 p.m., Zoller Gallery.

Friday, Apr. 4 — Commonsplace Coffeehouse, 8 p.m., Room 112 Kern.

Saturday-Sunday, Apr. 5-6 — Women's Liberation art sale and display, 9 a.m.-5 p.m., HUB ballroom.

Saturday, Apr. 5 — Sports: Baseball, vs. Villanova, 2 p.m. Lacrosse, vs. Drexel, 8 p.m.

Sunday, Apr. 6 — Artists Series, Waverly Consort, costumed production of "Las Cantigas de Santa Maria," 8:30 p.m., Schwab.

Sunday, Apr. 6 — Sports: Tennis, vs. Maryland, 2 p.m.

Sunday, Apr. 6 — Chapel Service, 11 a.m., Eisenhower Chapel, James W. Hill, English.

Sunday, Apr. 6 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

Seminars

Thursday, Mar. 27 — Agronomy, 8:30 p.m., Room 111 Tyson. Dave Belesky on "Zinc Status in Pennsylvania Forages."

Thursday, Mar. 27 — Anthropology, 3:30 p.m., Room 107 Social Science. Dr. Robert Harding, University of Pennsylvania, on "Dietary Habits of Kenya Baboons."

Thursday, Mar. 27 — Transportation Institute, 2:20 p.m., Room 189 Materials Research Lab. Peter Everett, man-environment relations, on "Behavioral Approaches to Modifying Travel Demand."

Thursday, Mar. 27 — Physics and Biophysics, 3:15 p.m., Room 117 Osmond. A. V. Crewe, Dean, Physical Sciences Division, University of Chicago, on "The Scanning Transmission Electron Microscope and Its Limits of Resolution."

Thursday, Mar. 27 — Air Pollution Control, 2:20 p.m., Room 140 Fenske. P. Richard Rittelman, architect, Burt, Hill & Associates, Butler, Pa., on "Solar Heating and Cooling of Buildings."

Thursday, Mar. 27 — Computer Science, 4 p.m., Room 325 Whitmore. Robert A. Wagner, Vanderbilt University, on "Correcting Regular and Counter-Automaton-Recognizable Languages."

Thursday, Mar. 27 — Biochemistry, 4 p.m., Room 101 Althouse. Dr. Robert Jennings, University of Minnesota, on "The Milk Alpha-Lactalbumins and Lysosomes."

Thursday, Mar. 27 — Ceramic Science, 11 a.m., Room 301 Mineral Industries. Dr. John E. Ritter, Jr., University of Massachusetts, on "Failure Prediction for Glass and Ceramic Materials."

Thursday, Mar. 27 — Microbiology, 4 p.m., Room S2 Frear. Dr. E. B. Lillehoj, Products Research Fermentation Lab., Northridge, University of Pennsylvania, on "Atlatolxin Contamination Hazards: A Current Appraisal."

Thursday, Mar. 27 — Meteorology, 3:55 p.m., Room 26 Mineral Sciences. Dr. Richard M. Anthes on "The Effect of Horizontal Divergence on the Latitudinal Variation of the Coriolis Parameter on the Drift of a Model Hurricane."

Thursday, Mar. 27 — Statistics, 4 p.m., Room 69 Willard. Dr. Richard M. Helberger, University of Pennsylvania, on "Evaluation of Statistical Program Packages."

Friday, Mar. 28 — Analytical Chemistry, 9:30 a.m., Room 333 Whitmore. Donald C. Thornton on "Multiple Voltammetry at Glassy Carbon Electrodes."

Monday, Mar. 31 — Inter-Science, 4 p.m., Room 333 Whitmore. Theodore Pincus, Memorial Sloan-Kettering Cancer Center, on "Heterogeneity of Endogenous Murine Cytovirus Gene Expression."

Monday, Mar. 31 — New Communities, Architecture, 2 p.m., Room 322 Sackett. Walter A. Lyon, Bureau of Water Quality Management, Department of Environmental Resources, Harrisburg, on "Innovations in Pollution and Environmental Control for New Towns."

Tuesday, Apr. 1 — Psychology, 1-5 p.m., Room 351 Moore. Dr. James O. Whitaker, Capitol Campus.

Tuesday, Apr. 1 — Physiology, 3:45 p.m., Room 111 Life Sciences. Dr. T. M. Holte, on "Regulation of Aortic Permeability."

Tuesday, Apr. 1 — Plant Pathology, 9:45 a.m., Room 211 Buckhout. Leon Burpee on "Modeling Soil Ecosystems."

Tuesday, Apr. 1 — Geosciences, 4 p.m., Room 26 Mineral Sciences. Frank Darchille on "Geologic Scope of Meteoritics."

Tuesday, Apr. 1 — Solid Waste Management, 2:20 p.m., Room 140 Fenske. Dr. William Eberhardt, Charnin Paper Products, on "Charmin puts the Squeeze on Cellulitic Solid Wastes."

Tuesday, Apr. 1 — Electrical Engineering, 2:20 p.m., Room 329 Electrical Engineering East. Dr. Eric Lean, I.B.M., on "Thin Film Optical Devices for Integrated Optics."

Tuesday, Apr. 1 — Chemical Engineering, 3:45 p.m., Room 140 Fenske. J. Wei, University of Delaware, on "The Catalytic Muller."

Wednesday, Apr. 2 — Fuel Science and Acoustics joint seminar, 4 p.m., Room 301 Mineral Industries. Dr. Warren C. Strahe, aerospace engineering, Georgia Institute of Technology, on "Combustion Noise."

Wednesday, Apr. 2 — Biochemistry, 4 p.m., Room 101 Althouse. Dr. Vincent Cristofalo, Walter Institute, University of Pennsylvania, on "Cellular Senescence: Factors Modulating Cell Proliferation in vitro."

Thursday, Apr. 3 — Agronomy, 8:30 p.m., Room 111 Tyson. Dr. John E. Ritter, Jr., on "Nitrate-Nitrogen Movement and Distribution through Soil Profiles."

Thursday, Apr. 3 — Transportation Institute, 2:20 p.m., Room 189 Materials Research Lab. Ronald Abner, geography, on "Communication vs. Travel."

Thursday, Apr. 3 — Physics, 3:35 p.m., Room 117 Osmond. John Johns, National Research Council, Ottawa, Ontario, on "Ultra-High Resolution Spectroscopy."

Thursday, Apr. 3 — Chemistry, 12:45 p.m., Room 333 Whitmore. George S. Wilson, University of Arizona, on "Electrochemical Studies of Cytochrome Redox Reactions."

Thursday, Apr. 3 — Air Pollution Control, 2:20 p.m., Room 145 Fenske. Carl E. Mateer, Atmospheric Research Directorate, Environment Canada, Downsview, Ontario, on "Sources of Ozone at the Earth's Surface."

Thursday, Apr. 3 — Biophysics, 4 p.m., Room 617 Life Science I. Dr. Rex Riser, Laboratory of Viral Diseases National Institute of Allergy and Infectious Diseases, NIH, on "SV 40 Transformations: Relation of Growth Properties to Plasmidogen Activator Production and Cellular Tumorigenicity."

Thursday, Apr. 3 — Microbiology, 1 p.m., Room S2 Frear. Benjamin Appelbaum on "Plasmids in the Enterococci." At 4 p.m., Room S2 Frear, Dr. W. McClain, bacteriology, University of Wisconsin, on "The Biosynthesis of Transfer RNA in Prokaryotes."

Thursday, Apr. 3 — Meteorology, 3:55 p.m., Room 26 Mineral Sciences. Dr. Douglas A. Paine, Division Atmospheric Sciences, Department of Agronomy, Cornell University, on "The External Gravity Wave and Its Organization of Severe Convective Elements."

Exhibits

Museum of Art — Works by Will Barnett, Gallery A. Selections from the Permanent Collection, Gallery B. Lee Kresner, Collages and Works on Paper, Gallery C.

Zoller Gallery — "Invisions 1975" — faculty-student portfolio. Eadward Mybridge, a traveling photo exhibition.

HUB Gallery — Ground floor, multimedia exhibit of Renaissance Gallery crafts and art works, sponsored by HUB Arts and Crafts Committee, until March 30. "Original Posters of the 1890's" — French Embassy Exhibit.

Pattee Library — American Women Writers, 1600 to present, through March 31. Photographs, "Faces of Prague," by Cynthia Begnal.

Chambers Gallery — Peter Calaboyas, Sculpture, Howard Lieberman, graphics. Brent Wilton and Leon Alters, art education, painting and sculpture, opening April 4.

Photography Gallery, 212A Arts Bldg. — Walker Evans Portfolio.

Kern Gallery — Prints by graduate students Paul Harcharik, Kurt Warnke and Charles Moore, until March 31. Ceramics by 21 members of the Art Alliance Potters Guild, until March 31. Photography by students in the Department of Journalism, until March 31.

Potlock Lounge — Jewelry and ceramics, until April 1. Design Class Projects, opening April 2.

Meetings

Monday, Mar. 31 — USG Senate, 7 p.m., HUB assembly room.

Monday, Mar. 31 — Education Student Council, 7 p.m., Room 123 Chambers.

Tuesday, Apr. 1 — Faculty Senate, 2:10 p.m., Room 112 Kern.

Tuesday, Apr. 1 — Commonwealth Campus Council, 4 p.m., Faculty Senate, 12:30 p.m., Room 112 Kern.

Tuesday, Apr. 1 — College of Education faculty luncheon, 12:30 p.m., Room 101 Kern.

Films

Thursday-Sunday, Mar. 27-30 — G.S.A. Film Festival, 7 and 9 p.m., Room 112 Kern. Thursday, "Rebel Without A Cause"; Friday, "On the Waterfront"; Saturday, "The Graduate"; Sunday, "To, gether."

Wednesday, Apr. 2 — Commonsplace Theatre, "Public Enemy," 7:30 and 9:30 p.m., Room 112 Kern.

Official

Wednesday, Apr. 2 — Drop deadline.

Wednesday, Apr. 2 — Course Repeat deadline.

Wednesday, Apr. 2 — Preregistration deadline.

WPSX highlights

Friday, March 28 — Bach's E-Minor Mass will be featured on "Great Performances," at 9 p.m., with soloists Harmon Prey, Gundula Janowitz, Heris Tappan, and Herz Lubenthal, with the Munich Bach Orchestra and Choir, directed by Karl Richter.

Sunday, March 30 — An hour-long documentary, "Lost World of the Maya," at 7:30 p.m., recreates the history of the Maya through ruins built more than 2000 years ago in Central America.

Monday, March 31 — The first program in a two-part series titled "The Thin Edge" is concerned with "Oppression: The Shadowed Valley," at 8 p.m. Other programs will deal with oppression, guilt, anxiety, and sexuality. To go along with this program, WPSX will have a special "Talkabout" program at 10 p.m. focusing on common social attitudes toward mental illness and where people can get help in Control Pa.

Wednesday, April 2 — "The School for Scandal," performed by Guthrie Theatre, Minneapolis, at 9 p.m., on "Theatre in America."

Thursday, April 3 — In the Japanese film series, at 9 p.m., "Early Summer," explores family life in modern Japan, specifically with the plight of an unmarried daughter in a family of three generations.



Playwright here

Megan Terry, one of the nation's leading playwrights and authors, will read from her works and comment in a program Wednesday, April 2, at 8 p.m. in Room 101 Kern. She is perhaps best known for her Obie Award winning play "Approaching Silence" and for her most recent play, "Hobnob," which last fall drew the critics' praise.

Commission for handicapped named

John H. Doolittle, associate professor of physical education, is chairman of a nine-member Commission on the Physically Handicapped Student appointed by President Oswald recently to give consideration to the problems of the physically handicapped student as he relates to the University and to develop a framework for the University to relate to the student.

Dr. Eugene McDonald, research professor of speech pathology, is special consultant to the Commission. Other members include: A. A. Bigatel, director of physical plant design and engineering; Timothy Fitzgerald, junior majoring in general arts and sciences; Douglas Ford, junior in community development; Dr. Eugene R. Melander, assistant vice president for

undergraduate studies; Charles H. Ness, librarian and assistant director for public services of University Libraries; JoAnn Swaney, junior in rehabilitation education; Dr. Robert Wirag, health educator; and Merle E. Campbell, assistant vice president for student affairs.

The Commission will issue a report which is to include recommendations for future policies and procedures regarding the physically handicapped.

Doolittle said the Commission will survey present architectural and educational conditions surrounding the physically handicapped student here and will examine present policies and practices which may expedite or impede reasonable progress of the physically handicapped student.

Summer program in arts planned

Nittany Mountain Summer, three weeks of professional programs in the visual and performing arts, is planned for July 27 through Aug. 16 at the University Park campus.

Featured will be events and exhibitions presented by the Pennsylvania Ballet, Pennsylvania Orchestra, University Museum of Art, and the Penn State Festival of American Theatre.

The 1975 program is the second season for Nittany Mountain Summer, sponsored by University Arts Services at Penn State.

Nittany Mountain Summer is funded in part by grants from the Office of Gifts and Endowments at the University, the National Endowment for the Arts, and the Pennsylvania Council on the Arts.

Art works chosen for Museum of Art

Two works of art were selected for donation to the Museum of Art by the Friends of the Museum of Art at a recent purchase party at the Museum.

A wash drawing by Giulio Romano from the early 16th century and an Albrecht Durer woodcut print circa 1500 were chosen by election from four works by the more than 100 people attending.

The Romano work, in pen and brown ink, is a study for one of twelve large lunettes in a room of the Palazzo del Te in Mantua, Italy. Titled "Jupiter's Eagle Brings Water from the Styx to Psyche," the lunette is in the room decorated on the mythological theme of Psyche.

Durer's "Lamentation" is a proof impression from a woodcut made for a book on the Passion. It is one of the few original impressions made from the woodcut for the text by the great master.



On the Artists Series Sunday, April 6, the Waverly Consort, with "Les Cantiques de Sainte Marie."

Artists Series has Waverly Consort

Tickets for the performance of "Las Cantigas de Santa Maria," by the Waverly Consort, will be sold beginning Tuesday, April 1, at 9 a.m. at the HUB desk. Only 300 tickets remain for the performance, which will be given in Schwab Auditorium Sunday, April 6, at 8:30 p.m.

The Artists Series reminds season ticket holders that the deadline for renewing their seats for the 1975-76 season is April 25. New season subscriptions will be filled beginning May 1, and they will be filled in order of receipt of the applications.

"Las Cantigas de Santa Maria" is a collection of songs honoring the Virgin, collected during the 13th century by King Al-

fonso X, of Castile. The Waverly Consort will perform in appropriate costume, playing instruments such as rauschpfeife, psalter, shawm, recorder, Moorish guitar, medieval fiddles, and with vocal portions performed by Jane Bryden, soprano, and John Humphrey, tenor, with James Selby as troubador.

The Waverly Consort, of New York, had its beginnings 15 years ago, at New York University, in a class on the Introduction to Musicology. Today, touring is a regular part of the Consort's schedule, although the group performs frequently in New York City. It has also made a Vanguard recording of "Las Cantigas."



Service Award to Dr. Moser

Dr. Gerald M. Moser, professor of Portuguese and Spanish (second from left) was given the University's 25-Year Service Award by College of the Liberal Arts Dean Stanley F. Paulson (left) in a ceremony attended by Mrs. Moser and by Prof. S. Stabb, head of the Department of Spanish, Italian and Portuguese, during his term. Dr. Moser received all three degrees from the University of Paris. He taught at Bridgewater College, Cornell University, and universities of Wisconsin and Illinois before coming to Penn State in 1945. He has written many articles and several books on Portuguese, Brazilian, and Spanish-American literature and has served as associate editor of "Hispania," the "Modern Language Journal," "Studies in Romanticism" and the "Luso-Brazilian Review." In 1963 he spent the winter and spring terms at the University of Lisbon, as a Fulbright Scholar. In recent years, he has concentrated on African literature written in Portuguese, a developing field. In the community, he was one of the founders of the University Fellowship of Centre County and has been a leader of the Penn State Federal Credit Union.

Trustee actions Meeting March 15, 1975

Authorization for awarding of contracts for construction of the Faculty Club, at a cost not to exceed \$1,140,000, was given by the Board of Trustees March 15. Only funds from private gifts and contributions will be used to build the facility.

Approval was given to an affiliation agreement between the College of Medicine and St. Joseph's Hospital, of Reading, so that a variety of undergraduate and post-graduate educational programs can be planned and conducted jointly. The programs will be held in Reading and Hershey for students and staff. The University will provide consultative and scheduling and accrediting aid and facilities and speakers under joint sponsorship with the hospital. Educational experiences for medical students in the departments of Family Practice, Medicine, Surgery, Obstetrics and Gynecology, Pediatrics and other areas will be available through this joint program.

Two tracts of land on the McKeesport Campus, totaling 0.83 acres, will be deeded to the Borough of White Oak, to enable the borough to widen streets providing access to the new maintenance building and parking area on the campus. The Trustees approved the transfer.

The agreement between the Hershey Medical Center and the University of Pennsylvania School of Allied Health Professions was approved. This agreement, which is similar to affiliation agreements with the University of Pittsburgh and Temple University, permits training of student interns in the clinical aspects of physical therapy; the Physical Therapy Department staff provides planned clinical programs for teaching, evaluating the performances of the students, and providing a report to the Penn faculty.

The Board passed a resolution expressing "Sincere respect and appreciation" to T. Reed Ferguson, vice president for public affairs, who is retiring in May, and also approved emeritus rank for him. The Board noted that he "served as a most effective interpreter and ambassador to the University's many constituencies of alumni, friends, and citizen groups and especially to the legislators who from all political persuasion respect his integrity."

Approval was given by the Trustees to make available to the public five days before a meeting of the Board the agenda of items to be considered. A motion to open to the public the meetings of the three standing committees was turned down but authorized the president to invite three fac-

ulty and three student representatives to attend meetings of the Committees on Finance and Physical Plant, as well as the Committee on Educational Policy.

Dates of Board meetings in 1976 were approved: Jan. 16-17; March 19-20; May 27-29; July 16; Sept. 17; Nov. 5. The March 19-20 meeting will be held at Hershey, the July 16 meeting at Behrend College, and the balance at University Park.

NEWS —

(Continued from page one)

The structure was cited by the Pennsylvania Society of Architects with a "Distinguished Building Award" and is featured as a building award winner in the current issue of "American School and University" magazine. The building previously received an "Excellence in Design" award from the Philadelphia Chapter of the American Institute of Architects. A \$12 million project of the General State Authority, the building, which was dedicated last May, is unique in that the exterior walls are constructed of reinforced concrete and the roof construction is suspended from steel pipe trusses above the structure.

GRADUATE FELLOWS

Seven Penn State students and alumni have been chosen for National Science Foundation Fellowships in sciences, mathematics, and engineering. Nationally, \$50 were selected for the fellowships from among 5,770 who competed. Two of the Penn Statees will continue their graduate work here.

Staff vacancies

University faculty or staff members who are interested in any of the staff exempt or staff non-exempt jobs listed below may apply by calling Employment Division, 865-1387 (Network Line 42-1387). Do not contact the area having the vacancy. Applications will be accepted until 5 p.m.

THURSDAY, APRIL 3, 1975

PATIENT FOOD SERVICE SUPERVISOR — Hershey Medical Center

Responsible for operation, scheduling and supervision of personnel in the Food Service Department. Confer with Dietitian regarding operation problems. Plan, direct, and supervise the Food Service Supervisor sanitation and housekeeping procedures. High School diploma, or equivalent, plus at least two years of formal outside training and 1-2 years effective Food Service experience.

In addition to the above vacancy, there are positions that frequently are available because of the number of employees in them. They are listed below and will not be listed on an individual vacancy basis. Application for such positions may be made at any time and you are welcome to make your interests known now to the Employment Division for future consideration when vacancies occur. These positions are:

ASSISTANT FOOD SUPERVISOR —

Housing and Food Services

Applications for these positions are considered without regard to race, color, creed, sex, or national origin.

PENN STATE intercom

Volume 4, Number 29

April 3, 1975

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

Twenty eight from \$850 to \$5,500

Research initiation grants approved

Twenty-eight research initiation grants ranging from \$850 to \$5,500 have been awarded to University faculty members from a fund approved by President Oswald for the encouragement and support of research and other creative work.

An ad hoc committee appointed by Dr. R. G. Cunningham, Vice President for Research and Graduate Studies, consisting of Drs. Walter I. Thomas (chairman), Paul Ebaugh, B. F. Howell, Jr., J. C. Johnson, and Stanley Weintraub received and reviewed 89 proposals. A list of those receiving grants follows:

A. K. Anderson, Architecture, A Predictive Survey of Professional Program Admissions Standards.

K. O. Anderson and W. M. Martin, German Dialect Variation in Three Geographically Separated Pennsylvania German Communities.

R. A. Arlew, French, A Thematic Study of Two Surrealist Poetic Texts.

G. David Arnett, Bioengineering, Measurement of Ventilation Mechanics in Infants.

P. H. Badli, Classics, Translation with Critical Commentary and Notes of Priscian's Major Sections on Syntax.

Jeanne Cheneault, Art History, Mythological Paintings, Prints, and Drawings of Josepe de Ribera.

J. A. Cicciarella, Geology, Beaver Campus, Surface Reduction Rates of Limestone and Marble Dimension Stone in Urban-Indus-

trial Atmospheres of Southwestern Pennsylvania.

M. C. Coleman, Polymer Science, Fourier Transform Infrared Study of Polymers.

R. H. Fox, Agronomy, Increasing the Efficiency of Phosphorus Utilization by Crop Species.

G. W. Franz, History, Delaware County Campus, Background to Revolutionary Pennsylvania.

G. L. Geoffroy, Chemistry, A Systematic Investigation of the Photochemical Properties of Transition Metal Hydride Complexes.

G. W. Gokel, Chemistry, Polychlorinated Macrocycles in Organic Synthesis.

Eliezer Kamon, Physical Education, Physiological Evaluation of the Effects of Physical Conditioning on Middle-Aged Women.

L. G. Kerr, Psychology, Psychophysical Experiments in Human Visual Perception.

G. J. Killian, Dairy Science, Male Reproductive Physiology.

D. H. Laananen, Mechanical Engineering, Crash Attenuator Analysis and Design.

R. L. Laidie, Pediatrics, Hershey, Modulation of Growth Factor Membrane Receptors in Virus Transformation of Cells in Culture.

D. R. Leavers, Behrend College, A Kinetics Study of the Phosphate Solubilization Speed of Lake Erie Sediments as a Function of pH.

K. M. Lucht, Insurance and Real Estate, Extra Aetna Factors Associated with Home

Loan Delinquency in a Nonmetropolitan Region.

D. R. McKenzie, Plant Pathology, Computer Simulation Model for Multiline Varieties.

M. J. Mehoney, Psychology, Cognitive Training and Remedial Eating Exercises in the Treatment of Obesity.

Stephen Porter, Art, The Study of Wood as a Material for Sculpture.

R. W. Regen, Civil Engineering, Improved Wastewater Treatment and Energy Conservation Using Activated Algae.

J. W. Robinson, Jr., Metallurgy, Thermodynamics of Solution of Sulfur, Antimony and Bismuth in Ferromolybdenum.

J. A. Salvie, Special Education, Development of a Computer-Mediated Program to Teach Letter Discrimination to Handicapped Children.

S. C. St. Jeor, Microbiology, Hershey, Cytomegalovirus; Cell Division and Replication.

J. A. Whiteside and S. J. Miller, Health Education, Development of a Physical-Anthropometric Profile of the Female Athlete at Penn State in Order to Predict Sport Readiness and Vulnerability to Sport Injury.

Ira Wolfinsky, Biological Health, Effects of Prenatal Dietary Calcium Intakes on Calcium Status During Pregnancy and Lactation and on Offspring Development.



Ellen Stewart, of LaMama, speaks Tuesday.

LaMama director speaks Tuesday

Ellen Stewart, founder and director of the innovative stage company, "LaMama ETC.," will lecture Tuesday, April 8, at 8 p.m. in Room 101 Kern Graduate Bldg.

Although its beginnings were shaky, LaMama today is regarded by critics as the fountainhead of the new movements in American playwrighting and production styles that emerged in the 1960s.

Stewart has fostered the talents of such writers as Rochelle Owens, Megan Terry, Sam Shepard, Jean-Claude Van Italle, Israel Horowitz, Tom Egan and Lenard Melli.

Founded in 1961, LaMama has gone through four homes, none of them very large or designed for theatrical performances, before moving to its present site. The current home occupies an entire building on East 4th Street in Manhattan and contains three separate theatres.

Stewart's talk is being co-sponsored by the Graduate Student Association and the Institute for the Arts and Humanistic Studies as part of a new, experimental course on "Women and Creativity."

Nominations asked for two awards

Nominations will be received in the Office of the Vice President for Student Affairs until April 11 for the Eric A. Walker and Ralph Dorn Hetzel Awards, both named for former presidents of the University.

The Eric A. Walker Award is given annually to a senior student to recognize one whose activities and achievements have enhanced the public esteem and renown of the University. The engraved trophy, replica of a larger trophy which remains on permanent display at the University, is given at June Commencement to a recipient who is graduating then or received his degree in the previous three terms. Selection of the winner is made by a committee consisting of the student presidents at the various college councils, with the Vice President for Student Affairs, or representative, as non-voting chairman.

Nominations in each college may be made by students and faculty of that college; the student council president is responsible for obtaining such nominations and providing appropriate information

(Continued on page two)

News in brief

NEW KENSINGTON EXHIBIT

An invitational art exhibition, "Childhood," will open at the New Kensington Campus April 14, featuring the works of artists from Pittsburgh, Ontario, New York and Los Angeles. The show, organized by Dr. John McNavage, assistant professor of English, is a celebration of childhood, expressing the sensitive feel of that period of life.

LAST SKYWATCH

The last Operation Skywatch of the season, planned by the Department of Astronomy, is scheduled for Friday, April 11, weather permitting. The public is invited to the open house between the hours of 7:30 and 10 p.m. to see the crescent phases of Venus and Saturn and its rings. No tickets are needed. Come if you can see bright stars with the naked eye.

FSHA 410 DINNERS

A royal banquet of 16th-century France will be served Wednesday, April 9, and a Mexican dinner will be the feature Thursday, April 10, in the Maple Room of the Human Development Building. Service is at \$3.00 and reservations may be made by calling 865-7441.

The French dinner, with their majesties King Henry of Valois and Catherine de Medici, will have the menu: split pea soup with beans and onions; salad with oil and vinegar dressing; entrees of sole a la Normande, poulet (chicken) du cloister, and filet mignon; stuffed artichoke bottoms; bread and butter; and lemon ice. The price is \$5.50 plus tax.

The Mexican dinner will include zucchini

(Continued on page four)

Barash award for service established

To recognize faculty, staff, and students "who have contributed most to humane causes, public service activities and organizations, or to the welfare of fellow humans," the Barash Award for Human Service has been established at the University.

The \$1,000 annual award honors the late Seymour "Sy" Barash, a 1950 graduate of the University, and State College businessman. He was chairman of the board of Barash Advertising, Inc., president of Morgan Signs, Inc., and co-publisher of Town and Gown until his death on Feb. 8.

The President of the University each year will name a nominating committee to

seek the recommendations for qualified recipients. The committee will forward its recommendations with supporting information to the President who will make the presentation at an appropriate occasion on the University campus.

The initial gift to establish the award was given by the family of Mr. Barash, consisting of Mrs. Barash and their daughters, Carol and Nan. Other memorial contributions have been made by friends and organizations and additional contributions can be made through the Office of Gifts and Endowments at the University. Income from the principal is expected to support the annual award.

(Continued on page two)

Grade inflation comments wanted

The Liberal Arts Student Affairs Committee wants to know how faculty and students feel about grade-related issues, including the much-discussed issue of grade inflation.

In preparation for a May 8 University-wide forum on "Grade Inflation," now being planned, the committee is gathering information on various grade-related subjects. The committee wants, as part of this information, written opinions of Penn State faculty and students which can be used at the forum.

"We want people to write about broad or specific issues," says committee head, Dr. Eloise Snyder, professor of sociology. "We suggest that the letters discuss major problems, if there are any, consequences of the problems and, finally, remedies. We're not trying to set goals or tell people how to grade. What we're really do-

ing is carrying out part of the mandate of the University Faculty Senate."

(The Senate at its Mar. 4 meeting approved four recommendations from an Academic Affairs subcommittee that conducted an extensive study on grade distribution. Approved were recommendations calling for: a study of the impact of grade inflation on graduation honors and Dean's Lists; development of an effective statistical reporting system on grade distribution within the University; the faculty, through college and departmental channels, to study appropriate standards on which grades are to be assigned; and establishment of a subcommittee to study the relationship between grades and the educational process.)

Written comments, due by Apr. 25, can be sent to Dr. Snyder, 216 Liberal Arts Tower, or to Mark Gurevitz, president of the Liberal Arts Student Council, Sparks Bldg.

University Park Calendar

April 3-13, 1975

Special Events

Thursday, Apr. 3 — FSHA 410 dinner, "Medieval England," 5:30 p.m., Maple Room. Human Development. Reservations requested, 865-7441.
Friday, Apr. 4 — Finals of cheerleading squads, 7 p.m., HUB ballroom.
Thursday-Saturday, Apr. 3-5 — University Theatre, "Jazz Dance Theatre in Concert," 8 p.m., Playhouse Theatre.
Friday, Apr. 4 — 5 o'clock "Clock Theatre," "Welcome to Oddfellows' Hall," 7:30 p.m., Walnut Bldg.
Friday, Apr. 4 — "History of Photography Week," gallery talk by Peter Bunnell, professor of the history of photography and modern art, Princeton University, on "Photography and Art in Our Time," 8:00 p.m., Zoller Gallery.
Friday, Apr. 4 — Marcus Chubbuck, piano recital, 8:30 p.m., Music Bldg.
Friday, Apr. 4 — Commonsplace Coffeehouse, 8 p.m., Room 112 Kern. "Phi Mu Alpha Dance Band," "Open Mike."
Saturday-Sunday, Apr. 5-6 — Women's Liberation art sale and display, 9 a.m.-5 p.m., Ballroom.
Saturday, Apr. 5 — Sports: Baseball, vs. Villanova, 2 p.m.; Lacrosse, vs. Drexel, 8 p.m.
Sunday, Apr. 6 — Artists Series, Waverly Consort, costumed production of "Las Cautivas de Santa Maria," 8:30 p.m., Schwab.

Sunday, Apr. 6 — Sports: Tennis, vs. Maryland, 2 p.m.
Sunday, Apr. 6 — Chapel Service, 11 a.m., Eisenhower Chapel. Professor James W. Hill, English.
Sunday, Apr. 6 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.
Monday, Apr. 7 — Robert Baisley and Philip Dettra, pianists, 8:30 p.m., Music Bldg. Recital hall.
Monday, Apr. 7 — Library seminar on methodology and problem solving, 7 p.m., Room W106 Pettie Library.
Tuesday, Apr. 8 — Ellen Stewart, of La Mama, etc., in a public program in conjunction with the Women and Creativity course, substituting for Pat Carroll, 8 p.m., Room 101 Kern.
Tuesday, Apr. 8 — "Town Day," a program sponsored by OTIS for townpeople and students, 2 p.m., Boucke, on these topics: "The Model Lease," Room 109; "Should Students Become Actively Involved in State College Government," Room 219; "Students' Effect on State College Economy and Employment," Room 319; "Transportation and the State College Community," Room 320.
Wednesday, Apr. 9 — The Spanish Theatre Repertory Company of New York in "El lugar donde mueren los mamíferos" [The Place Where the Mammals Die], 8 p.m., Schwab. The performance is

sponsored by the Department of Spanish, Italian and Portuguese.
Wednesday, Apr. 9 — Phil Delta Kappa Initiation ceremony for fifty new members, 5 p.m., HUB Auditorium, conducted by International President Howard M. Savelle, speaker, College of Education Dean Henry J. Hermenowicz, on "Social Ecology in Education."
Wednesday, Apr. 9 — USG panel discussion on "Mid-East Peace Possibilities," 8 p.m., HUB assembly room.
Wednesday, Apr. 9 — "Noonday's" devotional service, 12 noon, Eisenhower Chapel. Rev. Donel Davies.
Wednesday, Apr. 9 — Alerd String Quartet, 8:30 p.m., Music Bldg. recital hall.
Wednesday, Apr. 9 — Artists Series film, Charles Chaplin in "Limelight," 8:30 p.m., University Auditorium.
Wednesday, Apr. 9 — Sports: Baseball, vs. Lafayette, 3:30 p.m.
Wednesday-Thursday, Apr. 9-10 — FSHA 410 dinner, 5:30 p.m., Maple Room, Human Development. Wednesday, "Early France," Thursday, "Mexico," reservations required, 865-7441.
Thursday, Apr. 10 — GSA workshop, 7:30 p.m., Room 101 Kern.
Thursday-Saturday, Apr. 10-12 — NIAAD Show, Natorium, 10 p.m. Tickets at 105 White and Natorium.
Friday, Apr. 11 — Artists Series, Newark Boys Chorus, 8:30 p.m., University Auditorium.

Friday, Apr. 11 — Folk and Square Dance Roundup, 7:30 p.m., north gym, White.
Friday, Apr. 11 — Commonsplace Coffeehouse, 8 p.m., Room 112 Kern, Stan Sheperd.
Friday, Apr. 11 — Campus 4-H Club dance, 7:30 p.m., HUB ballroom.
Friday-Saturday, Apr. 11-12 — Sports: Nittany Lion Track and Field Relays, 1 p.m. Women's Nittany Lion Relays, 9 a.m.
Saturday, Apr. 12 — Sports: Golf, vs. George Washington, 1 p.m.; Lacrosse, vs. Syracuse, 8 p.m.
Saturday-Sunday, Apr. 12-13 — Hazelton Union Board Arts and Crafts Festival, noon to 4 p.m., HUB ballroom. Items for sale.
Saturday, Apr. 12 — 50th Annual Dairy Exposition dairy cattle judging, 9:30 a.m.
Sunday, Apr. 13 — Penn State Glee Club and Carlow College Choir, 1:30 p.m., Music Bldg. recital hall.
Sunday, Apr. 13 — Penn State Concert Blue Band program, 3 p.m., University Auditorium.
Sunday, Apr. 13 — Chapel Service, 11 a.m., Eisenhower Chapel. Rev. Leon B. Hays, Pastor, Black Christian Fellowship.
Sunday, Apr. 13 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

Seminars

Thursday, Apr. 3 — Agronomy, 8:30 p.m., Room 111 Tyson. Jim Shuford on "Nitrate-Nitrogen Movement and Distribution through Soil Profiles."
Thursday, Apr. 3 — Transportation Institute, 2:20 p.m., Room 189 Materials Research Lab. Philip Hazen, Federal Highway Administration, on "Statewide Transportation Demand Forecasting."
Thursday, Apr. 3 — Physics, 3:35 p.m., Room 117 Osmond. John Johns, National Research Council, Ottawa, Ontario, on "Ultra-High Resolution Spectroscopy."
Thursday, Apr. 3 — Chemistry, 12:45 p.m., Room 333 Whitmore. George S. Wilson, University of Arizona, on "Electrochemical Studies of Cytochrome Redox Reactions."
Thursday, Apr. 3 — Air Pollution Control, 2:20 p.m., Room 145 Fenske. Carl E. Maser, Atmospheric Research Directorate, Environment Canada, Downsview, Ontario, on "Sources of Ozone at the Earth's Surface."
Thursday, Apr. 3 — Biophysics, 4 p.m., Room 617 Life Science I. Robert Riser, Laboratory of Viral Diseases, National Institute of Allergy and Infectious Diseases, NIH, on "SV 40 Transformations: Relation of Growth Properties to Tumor Promoter Activation Production and Cellular Tumorigenicity."
Thursday, Apr. 3 — Microbiology, 1 p.m., Room S2 Frear. Benjamin Appelbaum on "Plasmids in the Enterococcus." At 4 p.m., Room S2 Frear, Dr. W. McClain, bacteriology, University of Wisconsin, on "The Biosynthesis transfer RNA in Procarotys."
Thursday, Apr. 3 — Meteorology, 3:55 p.m., Room 26 Mineral Sciences. Dr. Douglas A. Paine, Division Atmospheric Sciences, Department of Agronomy, Cornell University, on "The External Gravity Wave and its Organization of Severe Convective Elements."
Thursday, Apr. 3 — Mathematics, 4 p.m., Room 115 McAllister. Marshall Cohen, on "Topology."
Thursday, Apr. 3 — Ceramic Science, 11 a.m., Room 301 Mineral Industries. Dr. Peter Harding, Brockway Glass Co., on "The Importance of Oxidation Reduction in Development and Control of Commercial Glass Colors."
Thursday, Apr. 3 — Analytical Chemistry, 8:30 a.m., Room 333 Whitmore. Andrew J. Stupper on "The Chemistry Department's Computer and its Application to Chemistry."
Friday, Apr. 4 — Individual and Family Studies, 3:45 p.m., Room 162 Willard. Professor Raymond G. Cattell, professor emeritus, University of Illinois, on "Hereditary-Environmental Research and its Social Implications."
Friday, Apr. 4 — Interscience, 4 p.m., Room 333 Whitmore. Stanley Dagley, biochemistry, University of Minnesota, on "A Biochemical Approach to Some Problems of Environmental Pollution."

Monday, Apr. 7 — Entomology, 4 p.m., Room 204 Patterson. John Wollam on "Evaluation of *Bacillus thuringiensis* Bernecker and the Parasitoid *Apanteles melanoscelus* (Ratzburg) as Potential Integrated Control Agents for the Gypsy Moth, *Porthetria dispar* (L.)."
Monday, Apr. 7 — New Communities, Architecture, 2 p.m., Room 322 Sackett. Orville Calkins, Building Technology Department of Housing and Urban Development, Washington, D.C., on "Potential Energy Conservation and Production Devices, and Methods of Energy Transmission for the New Towns Community of the Future."
Monday, Apr. 7 — Horticulture, 12:45 p.m., Room 10 Tyson. Jay C. Sheely on "Diagnosis of Nutritional Problems in Floriculture Crops Using Spectrographic Analysis."
Monday, Apr. 7 — Genetics, 3:55 p.m., Room 111 Tyson. Ken Rineer, on "Effects of Double Reduction on Breeding Autotetraploids."
Monday, Apr. 8 — Physiology, 3:45 p.m., Room 111 Life Science. Dr. N. N. Aronson, Jr., biochemistry, on "Glycoprotein Degradation by Rat Liver Lysosomes."
Tuesday, Apr. 8 — Solid State, 1 p.m., Room 333 Frear. Dr. Fred Strieler, Materials Research Lab. on "Lattice Dynamics of Crystalline Quartz."
Tuesday, Apr. 8 — Engineering Science and Mechanics, 4 p.m., Room 215 Hammond. Dr. Edward R. Kimmel on "Discussion of the Production and Use of Cemented Carbides."
Tuesday, Apr. 8 — Plant Pathology, 9:45 a.m., Room 213 Buckhout. Robert Seem on "Crop Growth Modeling: a Basis for Pest Management."
Tuesday, Apr. 8 — Physics, 3:35 p.m., Room 117 Osmond. J. W. Negele, Massachusetts Institute of Technology, on "The Equation of State of Neutron Star Matter."
Tuesday, Apr. 8 — Geosciences, 4 p.m., Room 26 Mineral Sciences. Lynn R. Sykes, Lamont-Doherty Geological Observatory, Columbia University, on "Seismological Studies of Eastern North America and Earthquake Prediction in China and Japan."
Tuesday, Apr. 8 — Comparative Literature, luncheon and discussion, 12:15 p.m., Presidential Room in the Corner Room. Speaker, Ellen Stewart.
Tuesday, Apr. 8 — Chemical Engineering, 3:45 p.m., Room 140 Fenske. J. L. Anderson, Cornell University, on "The Hydrodynamic Mechanism of Osmotic Flow in Rigid Porous Membranes."
Tuesday, Apr. 8 — Solid Waste Management, 2:30 p.m., Room 140 Fenske. Jerome Goldstein, editor, "Compost Science," on "Citizen's Acceptance of Solid Wastes: New Value of Composting."
Wednesday, Apr. 9 — Remote Sensing, 2:25 p.m., Room 140 Fenske. Electrical Engineering West. Dr. Harold A. Weeden, civil engineering, on "A First Look at Urban Photography."

Thursday, Apr. 10 — Agronomy, 8:30 a.m., Room 111 Tyson. Richard Eshelman on "Concept of Ion Activities in Soil-Plant Systems."
Thursday, Apr. 10 — Physics and Astronomy, joint colloquium, 3:35 p.m., Room 117 Osmond. Edward E. Harrison, University of Massachusetts, on "Recent Developments in Cosmology."
Thursday, Apr. 10 — Chemistry, 12:45 p.m., Room 333 Whitmore. G. A. Somorjai, University of California, Berkeley, on "Elementary Steps of Catalytic Reactions on Metal Surfaces."
Thursday, Apr. 10 — Air Pollution Control, 2:20 p.m., Room 145 Fenske. Floyd Elder, Canadian Center for Inland Waters, Burlington, Ontario, on "Contamination of Water Bodies by Air Pollution."
Thursday, Apr. 10 — Biophysics, 4 p.m., Room 617 Life Science I. Dr. Harold Lecar, Laboratory of Biophysics, National Institute of Nervous Diseases and Stroke, on "Synthetic Excitable Membranes."
Thursday, Apr. 10 — Microbiology, 1 p.m., Room S2 Frear. Katherine D. Thompson on "The Defect in Translation of Poliovirus RNA at the Non-permissive Temperature" and at 4 p.m., Room S2 Frear, Nat Sternberg, NIH, Bethesda, on "Packaging of DNA by Bacteriophage Lambda."
Thursday, Apr. 10 — Transportation Institute, 2:20 p.m., Room 189 Materials Research Lab. Ronald Abler, geography, on "Communication vs. Travel."
Thursday, Apr. 10 — Statistics, 4 p.m., Room 69 Willard. Lawrence A. Klimko, on "Maximum Likelihood Estimation with the Waibull and Lognormal Models."
Friday, Apr. 11 — Physical Chemistry, 4 p.m., Room 333 Whitmore. H. Handley, National Bureau of Standards, on "Molecular Dynamics of Calculation of the Thermodynamic Properties of Fluids."

Meetings

Friday, Apr. 4 — Penn State Circle K Club, 8:30 p.m., HUB assembly room. Film, "Learning Defects in Children." Open to the public.
Saturday, Apr. 5 — Penn State Model Railroad Club model building contest, Room 203 HUB. Models may be entered 10 a.m.-1 p.m. on day of contest.
Monday, Apr. 7 — EMS Student Council, 7:30 p.m., Room 22 Delke. Speaker, Mr. Joseph Corbi, Technical Associate to Penn State Vice-President of Exploration and Development of Gulf Oil Research, on "Employment Opportunities in Energy Company Research and Development."
Monday, Apr. 7 — USG Senete, 7 p.m., HUB assembly room.
Tuesday, Apr. 8 — College of Liberal Arts faculty, 3:30 p.m., Room 121 Sparks.
Tuesday, Apr. 8 — College of Education faculty luncheon, 12:30 p.m., Room 101 Kern.
Tuesday, Apr. 8 — Penn State Chapter, American Society for Metals, 7:30 p.m., Room 301 Mineral Industries. G. Robert Mumma, Special Metals Corp., New Hartford, N. Y., on "Electroslag Remelting of Specialty Steels."
Saturday, Apr. 12 — Beha'l Club, 8:30 p.m., Room 112 Kern. Dr. Jane Fally, clinical psychologist, University of North Carolina, Chapel Hill, on "A New World Society." Public invited.

Films

Thursday-Sunday, Apr. 3-6 — ARHS series, "The Great Gatsby," 7:30 and 10 p.m., Room 102 Forum.
Wednesday, Apr. 9 — Commonsplace Theatre, "The Maltese Falcon," 7:30 and 9:30 p.m., Room 112 Kern.

WPXK highlights

Friday, April 4 — Lt. Gov. Edgar P. Kline and the executive director of the Pennsylvania Bicentennial Commission discuss plans for the observance at 7:30 p.m.; the same program may be seen Sunday, April 6, 3:30 p.m.
Sunday, April 6 — An hour-long documentary on the potential fish shortage because of modern technology in fishing, at 7:30 p.m. on "News."
Monday, April 7 — Joe Humphreys hosts a half-hour show, "Fly Fishing for Trout," filmed on Spring Creek, at 7:30 p.m.
Tuesday, April 8 — First of a two-part series following up the "Ascend of Man" series is titled "The Age of the Computer," exploring the role of the computer in introducing a new age of scientific and engineering discovery, at 6 p.m.
Thursday, April 10 — "The Ladies of the Corridor" on Hollywood Television Theatre, stars Gloria Leachman and Jane Wyatt, at 9 p.m.

Exhibits

Museum of Art — Works by Will Barnett, Gallery A. Selections from the Permanent Collection and Works on Paper. Gallery C. Zoller Gallery. "Invasion '75" — faculty-student portfolio. Edward Murybridge, a traveling exhibition, until April 12.
Picture Library — Photographs, "Faces of Prague," by Cynthia Bagnal.
Chambers Gallery — Brent Wilson, Leon Alters, art education, painting and sculpture, opening April 4.
Photography Gallery — 212A Arts Bldg. — Walker Evans Portfolio.
HUB Gallery — "Original Posters of the 1890's," French Embassy Exhibit, until April 6. "French Cheeses and Wine," French Embassy Exhibit, opening April 6.
Pollack Lounge — Design Class Projects, until April 8. Origami, opening April 9.

New Purchase Order forms in offing

On July 1, 1975, the University's Purchase Order form will have a new look and a new addition — a Receiving Report. Instructions for using the new Purchase Order and Receiving Report will appear in a General Forms Usage Guide release and summarized in a future issue of REPORTER. In addition, a flip chart presentation has been prepared. If you need to be briefed on the new procedure, contact your Financial Officer or call Systems and Procedures at 865-9568.

New Purchase Order forms will be provided by General Stores (exchanging unopened packs for new packs) during the month of April. Write a memo to General Stores stating the number of packs of old Purchase Orders you are returning, and the room number and building that the new packs are to be delivered to. General Stores drivers will pick up the memos and packs of old Purchase Orders during their regular deliveries, and return with new Purchase Order forms during their next delivery.

After July 1, the fact that a partial shipment has been received will be noted on a "Partial Receiving Report". This form will be available from Systems and Procedures at no charge by calling 865-9568 and requesting as many Partial Receiving Reports as necessary (padded in sheets of 100).

All new year orders MUST be on new Purchase Order forms. All current year orders must be on current Purchase Order forms.

High school scholars program Apr. 18

A new program to encourage and reward high scholastic achievement in Pennsylvania's secondary schools has been established by the University.

An estimated 550 high school students and their parents will visit the University Park Campus on Friday and Saturday, April 18 and 19, as part of the newly established Penn State Scholars Program.

The program is designed to recognize and encourage the excellent academic scholarship record and achievements of high school students and provide an opportunity for them to meet with Penn State faculty members and students concern-

ing career opportunities, academic programs, and other campus activities.

The students were nominated for the program by their high school principals as the top academic students in the junior class of their respective schools.

During the weekend, they will have the opportunity to experience college life, find out how Penn State is suited to their needs and interests, and complete for one of 30 new Penn State full-tuition, four-year scholarships.

All students participating in the program will receive special recognition, including an early offer of admission to the University.

Phi Psi 500 adds master's team race

A new twist has been added to the Phi Psi 500 race this year, with a division for Masters' Relay teams, meaning that teams of five men each may be entered to cover the race course if each of the men is over 30 years of age. The race will be staged on Saturday, April 20, at 2 p.m., starting from the fraternity house.

In the race the race is unfamiliar, it involves running 1.1 miles and stopping at six bars along the way for a draft of beer (or soft drink if you prefer), and the race is promoted by Phi Kappa Psi fraternity for the benefit of a local charity. This year, as last (when \$3,000 was raised for the purpose), the Centre County Day Care Center will receive the proceeds of the race, which come largely from entry fees and contributions.

Entry fee for the team event is \$25, and some teams will undoubtedly obtain the fee from local merchants who will be asked to sponsor individuals and teams in return for the advertising. (Another special event connected with the program is the race for public-professional groups, with entries already by the Philadelphia and State College police, Alpha Fire Co., and others. More entries in this division are welcome.)

There will be awards for the overall winner (regardless of age or condition) as well as the special events, with plaques as the prize. Each participant will also get an emblem.

Entries will be accepted even as late as the day of the race, but they may be

made by calling the house, 234-5555 or the chairman, Ray McCormick, 234-2469.

Oh yes, the winner last year made it in 8 minutes, 18 seconds, which is awfully good time, but a great many participants didn't care particularly; they had more time to enjoy themselves along the way.

There were 150 entrants last year and the community, as always, cooperated graciously and completely to control the traffic and crowd conditions. The gala day has always, six years in a row, had sunny skies.

NEWS —

(Continued from page one)

chini soup, soup with brains; Spanish roast with stuffed squash; black turtle beans with tacos; almond pudding; Mexican chocolate beverage. The charge is \$3.50 plus tax.

These meals are planned and prepared by the Food Service and Housing Administration 410 Class. Early reservations are advised.

ODDFELLOWS

Five O'Clock Theatre will open its spring season today, April 3, with Adrian Pinckney's "Welcome to Oddfellows Hall," adapted from the short story "Getting Out" by Jonathan Miller. The action takes place in a posh insane asylum and concerns a man's vain attempt to retain his sanity.

Vincent, a former writer now living in the asylum, is portrayed by Steve Shaffer, an 8th grade education major.

David Filson is making his debut at Penn State in the role of Van. David is a 6th term theatre arts major.

The house is 5th term theatre major Terri Campton.

Vincent's nephew, Sky, is played by David Snizky, also a theatre major. Sky's wife, Penny, is Laura Freeze who recently appeared as a chorus girl in the "Breasts of Tiresias".

Michael Ponder both directed "Welcome to Oddfellows Hall" and plays the part of the director. Ponder's play "The Boys" was produced by 5 O'Clock Theatre winter term.

Five O'Clock Theatre is moving to a new location, Walnut Building, for "Welcome to Oddfellows Hall." The show will run April 3, 4, 5, with all cutlins at 7:30 p.m.

ACM MEETING

The use of computers in photography will be discussed by Carl P. Palmer of the duPont Co. at the meeting of the Central Pennsylvania chapter, Association of Computing Machinery, at 7:30 p.m., Tuesday,



Presenting a versatility unexpected in a group as young as the Newark Boys Chorus, these youngsters will be featured on the Artists Series Friday, April 6.

Artists Series features boys' chorus

An unusual musical event will be the Artists Series presentation of April 11 (Friday) when the Newark Boys Chorus will feature everything from Renaissance to Rock in University Auditorium.

Tickets will be sold beginning Monday, April 7, at both the HUB and the auditorium.

Founded in 1966, the 32-voice interracial ensemble has excited listeners at music festivals and in concert halls all over the country. Some idea of their versatility can

be gained from the program they will sing here: works of early composers like Gallus and di Lasso; Leonard Bernstein's "Chichester Psalms"; Stevie Wonder hits; spirituals, gospels, and others in the folk idiom.

The program this weekend is in University Auditorium Sunday, April 6, at 8:30 p.m., with the Waverly Consort presenting "Las Cantigas de Santa Maria," in full costume. These are songs honoring the Virgin, collected during the 13th century by King Alfonso X, of Castile.

Naiads tickets for show Apr. 10-12

Tickets are currently on sale for the annual Naiads spring synchronized swimming show, this year to be titled "Country Watercolors" and performed April 10, 11 and 12 in the Natatorium, at 8 p.m. Tickets for adults are \$1 and for children 50 cents, and they may be purchased at the Natatorium from 8 a.m. to 10 p.m., and at Room

105 White Bldg. from 8 a.m. to 5 p.m. Thirty-five members of the Club will perform in 12 routines that have been choreographed by students themselves. The routines have such descriptive titles as "Wheelin' Along" (a trio of cyclists) and "Waterfall," an abstraction that involves a dozen swimmers.

April 15, in Room 26 Mineral Sciences. Palmer is a consultant to typesetters and newspapers, has written many articles and given many talks on the subject. He is manager of advertising production control/graphics, of the duPont Co.

HOVERCRAFT

Want to help build a hovercraft? Don't know what a hovercraft is? Then you might be interested in joining a group of students already making plans to construct and operate one, and a meeting will be held Saturday, April 5, at 10 a.m. in Room 169 Willard.

The entire effort is a Free-U project, which means that not only students but faculty, staff and non-University people may join in. Mike Monahan, assistant director of Free-U, and Richard Venberg, who was previously enrolled as an anthropology major, and who has already constructed a craft, will direct the construction.

Anyone who can drive a nail is welcome to join the group, and there will be work for anyone willing. The actual work will be done in a local garage, the tying on a nearby lake. Each person will be expected to contribute three days of work, and \$10-\$20. The reward will be a flight on the craft.

At present, the only holdup in the Free-U plans is the power plant. Mike and Rich hope someone will donate an engine. In the 3½-horsepower range. Rich's previous craft got off the ground with a 2½ h.p. engine. Mike's previous experience consists of a light over the English Channel, at a speed of 60 miles an hour.

Call the Free-U office, 863-0038 if interested.

AUCTION

A public auction will be conducted at the Surplus Warehouse (north of the Flower Gardens area) Saturday, April 5, at 10 a.m., with items including office equipment and furniture, electronic and electrical equipment, power tools, automobiles and trucks, and general equipment.



Blue Band soloist

Featured on the Penn State Concert Band program of Sunday, April 13, will be trombonist John Green. The program will be given in University Auditorium at 4 p.m. Green will play Mozart's Rondo from Concerto No. 3 in E-flat and with others a series of three light numbers. The program is free and open to the public.

HUB specials

Monday, April 7 — Lunch, American chop suey, \$1.97; dinner, scalloped chicken and noodles, \$3.96.
Tuesday, April 8 — Lunch, hot sausage bologna, \$1.15; dinner, spaghetti with meat balls, \$3.96.
Wednesday, April 9 — Lunch, chicken sandwich, \$1.30; dinner, beef and ham loaf, \$1.14.
Thursday, April 10 — Lunch, Joe Mazzoni's, \$2.00; dinner, Canadian bacon and hot potato salad, \$1.24.
Friday, April 11 — Lunch, luncheonburg on bun and soup, \$1.20; dinner, french fried perch, \$1.96.
Saturday, April 12 — Lunch, chili con carne, \$3.96; dinner, porcine meatballs, \$3.92.
Sunday, April 13 — Dinner, chopped steak, \$4.00; supper, lasagna, \$1.27.

WANTED: WOMEN INTERESTED IN A PHYSICAL CONDITIONING PROGRAM

Women volunteers (32-46 years of age) are wanted who are interested in participating in a 4-5 day/week physical conditioning and recreation program. All women must be relatively lean (i.e., under 120 pounds) or overweight (i.e., over 150 pounds).

The program will begin in April and end in August. Pre- and post-conditioning measurements will be made on all participants and will include a screening physical examination, as well as measures of: Body Fatness; Serum Lipids (Cholesterol and Triglycerides); Physical Fitness — Exercise Treadmill Test; Blood Pressure; and Other Measures of Heart and Lung Function.

If you are interested in participating, please call: Barry Franklin, Ph.D. Candidate (865-2432) BEFORE MONDAY, APRIL 7, 1975.

PENN STATE intercom

Volume 4, Number 30

April 10, 1975

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

News in brief

AAUW BOOK SALE

The 14th annual Used Book Sale of the local chapter of the American Association of University Women will be held Monday-Friday, April 14-18, on both floors of Wesley Foundation, 256 E. College Ave., between the hours of 9 a.m. and 5 p.m. More than 25,000 paperback and hardbound books will be on sale at bargain prices, most of them collected locally in a recent drive. The collection is assembled by categories for easy browsing. Fiction, biographies, some collectors' items, sheet music, art prints, etc., are included. Through sales like this AAUW has aided in many fellowship programs and local educational projects.

FOOD PROFITS

A special seminar sponsored by the Food Science program Thursday, April 17, will feature a one-hour film, (an ABC News Close-up program), titled "Food: Green

Grow the Profits." The film will be shown at 2:20 p.m. and 7:30 p.m. in Room 117 Borland Lab, and discussion will follow. Coincidentally, April 17 is Food Day.

GOLF INSTRUCTION

Golf lessons, sponsored by the Faculty Women's Club, will begin the week of April 21. Joe Boyle, Penn State golf coach, will give a series of eight lessons, one a week, at the Blue Golf Course driving range. Classes will be held at various times during each week. Cost of the series of lessons will be \$16. For further information, contact Donna Ryman 237-1738 for beginner lessons, and Jean Hokanson 238-3442 for intermediate lessons.

FOOD COMPLEX CHANGES

A lecture on "Changes in the World Food Complex" will be given by William E. Barksdale, vice president of Cook Industries, Inc. Memphis, April 24 at 4 p.m. in Room 301 Agricultural Administration Bldg. He will discuss the changes taking place in the philosophy of feeding the hungry, the short- and long-term future of U.S. agriculture, and the opportunities

for more complete utilization of food and feed. Barksdale is a director of the Council for Agricultural Science and Technology (CAST), a member of the National Agricultural Marketing Association, National Investor Relations Institute, and Public Relations Society of America. Cook Industries is the third largest exporter of U.S. grains and oilseeds, and many of the speaker's comments will reflect his experiences with the international grain marketing system.

BLUE BAND CONCERT

The Penn State Spring Concert Band will give its annual Concert concert Sunday, April 13, at 4 p.m. (note that this is a change from the original schedule) in University Auditorium, featuring as soloist, trombonist Ubrle Green, considered "the most versatile of all top-ranking trombonists." The concert is free and open to the public.

INTERNATIONAL SHOW

A series of exhibits, in Kern Bldg. gallery, sponsored by International Student

(Continued on page four)

In a special evening session, an amendment is voted down

Senate rejects University-wide tenure-promotion policy

The University Faculty Senate rejected an amendment to proposed promotion and tenure policies which would have applied the policies on a University-wide basis.

The action, by a 12-vote margin, came after lengthy discussion in a special Senate session April 1 to examine the proposed policies developed by a Senate subcommittee.

In the subcommittee proposal, tenure and promotion policies are linked to five entities within the University — University Park, the Commonwealth Campus System, the College of Medicine at Hershey, the Capitol Campus and the Behrend College.

In proposing the amendment calling for retaining of University-wide tenure and promotion policies, Ernest Bergman, former Senate chairman, noted that Penn State is one university geographically dispersed.

"Each college has a different mission," he said, "and individual colleges should define standards on which to base promotion and tenure decisions for all faculty members."

Marvin E. Rozen, subcommittee chairman, said that the issue "is whether we have four or five different tenure entities." He said that "different doesn't mean better or worse," noting that "this implication is contrary to the spirit in which the document was developed."

"There are distinct populations," he added, "and it is impossible to lump them under a single standard. We can't have a single standard covering such diverse groups."

Evelyn Hovanec, Fayette Campus senator, said that if there is a difference in Commonwealth Campus faculty members it is one of function and geography, adding

that Commonwealth Campus faculty "would not get a fair shake" under the subcommittee proposal.

Speaking in support of the subcommittee proposal, Richard G. Cunningham, vice president for research and graduate study, said it is "far more honest, realistic and eminently fair."

"The respect of any institution in the long run," he said, "is built on quality of faculty in terms of scholarly output. The future of that will be seriously harmed by combining tenure and promotion policies for Commonwealth Campus faculty members with University Park faculty."

If this type of system were accepted and honestly applied, he added, it "would inevitably result in fewer promotions and fewer tenure awards at the Commonwealth Campuses."

In a related action, the Senate referred to the Faculty Affairs Committee for further study of a proposed amendment that would provide a role for the Commonwealth Campus directors in promotion and tenure review procedures.

This amendment and others are to be brought before the Senate at its May meeting when action on the entire document is to be taken.

Earlier in the day at its regular meeting, the Senate discussed at length a proposal to revise its committee structure. The proposal stems from recommendations of the Governance Committee calling for a committee structure that is strengthened in functions and possesses more delegated authority.

Lee W. Saperstein, chairman of the subcommittee which developed the plan, said that, in line with the Governance recommendations, the proposed committee structure more closely parallels the University administrative structure.

He said it also is designed to provide University Faculty Senate advisory groups to the administration and to give more ex-officio memberships on committees to administrators.

Under the plan, the Intra-University Relations Committee would be raised in sta-

(Continued on page four)

Leader in modern dance to speak

A leader in the efforts to create and formulate an aesthetic for modern dance, Valentina Litvinoff, will present a public lecture-demonstration Wednesday, April 16, at 8 p.m. in White Bldg.

Miss Litvinoff has made her mark both as a dancer and choreographer. Now director of the Dance and Drama Center, a studio in New York City, she has appeared in concert performances with her own group and as soloist in theatres and on television.

She has done much choreography for the theatre, her credits including "Dark of the Moon," "Mad Woman of Chailiot," "Johnny Belinda" and "Gigi."

Author of the book, "The Use of Stanislavsky within Modern Dance," Miss Litvinoff has been director of the Dance Workshop at Brandeis Youth Institute, director of the Gateway Theatre School's dance department and choreographer at the Southold Playhouse.

As a child in Russia, she was one of the Isadora Duncan dancers. In this country, she graduated from the Neighborhood Playhouse Studios and danced with Martha Graham, Louis Horst and the Humphrey-Weldon troupes. She studied the Mary Wigman technique as well as ballet, folk and ethnic forms.

Her White Bldg. appearance is being sponsored by the Dance Club and the Institute for the Arts and Humanistic Studies. Miss Litvinoff is on campus as a guest lecturer for a new course on "Women and Creativity."

Weinberg speaks on nuclear energy



Dr. Joseph Weinberg

One of the nation's leading nuclear power experts, Dr. Alvin M. Weinberg, will speak at a colloquium Thursday, April 17 at 3:45 p.m. in Room 119 Osmond.

The talk, sponsored by the departments of physics and nuclear engineering, is open to the public free of charge.

Dr. Weinberg, who in 1971 originated the idea of clustering nuclear reactors and their sub-systems in nuclear parks, will discuss "Is Nuclear Energy Acceptable?"

Director of the Oak Ridge National Laboratory for more than a quarter century, Dr. Weinberg retired on Jan. 1, 1974 and became director of the Federal Energy Administration's Office of Energy Research and Development. Immediately prior to the Washington post, he served very briefly as director of a small think tank, the Institute for Energy Analysis, which he set up at Oak Ridge and where he is now working.

An interdisciplinary program

Medieval world colloquium underway

An interdisciplinary colloquium on "The Medieval World" is being held this week, concluding Saturday, April 12. The sessions are all in Room 402 of the J. Orvis Keller Bldg. at the University.

The colloquia, all of which are open to the public, are sponsored by the Interdisciplinary Program in the Humanities (established under a grant from the National Endowment for the Humanities) and participating departments of the College of the Liberal Arts.

The colloquium will open April 9 at 8 a.m. with a talk by Jean Leclercq, Abbot of Clervaux, on "The Case Study of a Twelfth Century Abbot: William of Saint-Thierry, a Psycho-Historical Approach." Penn State faculty will chair each session, with Dr. Joseph J. Kockelmans, professor of philosophy, presiding at the first one. Two talks will be presented April 10. At 10 a.m., Professor Brian Tierney of Cornell University will discuss "Medieval Constitutionalism: Ideas and Realities," with Dr. James Ross Sweeney, assistant pro-

fessor of history, as chairman.

At 3 p.m., Professor David Herlihy of Harvard University, will talk on "What We Know About Medieval Marriage," with Dr. Gerard J. Brault, professor of French, as chairman.

At the April 11 sessions, at 10 a.m., Professor John Leyerle of the University of Toronto will speak on "The Game and Play of Courtly Love." Dr. Robert W. Frank, Jr., professor of English, is chairman.

The 3 p.m. speaker is Professor Harry Bober of New York University, who will treat "The Imagery of Mysticism and Mystical Revelation in a Gothic Illuminated Manuscript." Anthony Quirk, professor of art history, will serve as chairman.

A final session will be held April 12 at 10 a.m. The speaker is Professor Edward Synan of the Pontifical Institute, Toronto, Canada. His topic will be "Love of Wisdom in the Middle Ages," and the chairman of this session is Dr. Alan E. Knight, associate professor of French.

Matson elected AIA president



Dr. Frederick R. Matson, research professor of archaeology, has been elected president of the Archaeological Institute of America for a two-year term.

The Institute, with a membership of over 6,000, has 81 local societies throughout the United States and Canada and publishes two professional magazines, "American Journal of Archaeology" and "Archaeology."

A member of the faculty since 1948, Dr. Matson was first appointed as a professor of ceramic in 1953; he was named professor of archaeology and from 1957 to 1966 also served as an assistant and associate dean for research and graduate study in the College of the Liberal Arts. He has lectured throughout the world, and last fall served as Walker-Ames Professor at the University of Washington. He is a research collaborator at Brookhaven National Laboratory where he is working on neutron activation analyses of Egyptian and Near Eastern clays and pottery.

Dr. Edwin W. Mueller, Evan Pugh Professor of Physics, was one of 86 American engineers and scientists elected to membership in the prestigious National Academy of Engineering last week. The Academy is a private organization established in 1964 to encourage engineering research for the Federal Government. The total membership now stands at 587.

C. Herbert Wheeler, professor of architectural engineering, has been elected to the College of Fellows of the American Institute of Architects, a lifetime honor bestowed for outstanding contributions to the profession. He is one of 61 persons who will be inducted May 19 at the annual convention of the A.I.A. in Atlanta. His primary contribution to the profession has been in the field of advanced education for managers of architectural and engineering firms. He has been a member of the Penn State faculty since 1964, and he teaches and coaches the architectural engineering seniors as instructor of the professional practice course, as supervisor of the senior thesis projects program, and as career counselor.

Dr. Ke Chung Kim, associate professor of entomology, has received an N.S.F. grant of \$15,200 to take part in environmental impact studies for chemical plants in heavy industrial centers, at Seoul National University, Korea. He is one of 20 U.S. scientists and engineers who have been given awards for teaching and research in developing countries in Africa, Asia, and Latin America. The grants were made under the SEED Program (Scientists and Engineers for Economic Development).

Dr. John A. Lucas, professor of physical education, has been elected a Fellow of the American Academy of Physical Education, and he has also received an honor from the Eastern District of the American Alliance for Health, Physical Education and Recreation in the form of a gold medal for completion of a history of the District, two years in the making. A member of the faculty since 1962, he was head track coach here for seven years, now devoting his energies to research, teaching and writing. He is the third Penn State faculty member to be named Fellow of the AAPE.

In writing

Dr. Peter C. Jurs, associate professor of chemistry, is co-author, with Dr. Thomas L. Isenhour, University of North Carolina, of "Chemical Applications of Pattern Recognition," published recently by John Wiley and Sons. It is said to be the first published work concerning application of pattern recognition techniques to chemical data and problems. It introduces new methods for handling chemical data when using computers and therefore presages new developments in chemistry paralleling benefits that have occurred in electrical engineering, weather predicting, and other areas. Pattern recognition systems known as "learning machines" are given major attention; these are defined by their capacity to increase their capability for producing correct responses for classification tasks as the experience increases. The book is considered an important work for analytical chemists, spectroscopists, and others interested in the scientific applications of computers.

Funding Opportunities

For procedural and funding source information, call 865-1322.

April 10, 1975

(174-1) The Office of Education has established a May 1, 1975 application deadline date for Special Projects under its Community Service and Continuing Education program. Priorities include: educational experiments with special-interest groups in community problems such as consumer affairs, regional or national energy policy, and environmental pollution; development of institutional educational models to increase access for women, "innates," elderly, and handicapped; demonstration of effective programs to combat technological unemployment; development of town-gown cooperation for urban research and training of local government officials; and evaluation of continuing education programs. This information has been distributed. (Ref. 40FR13021-23, 3/24/75) (CFOA 13.557)

(174-2) Apply for institutional grants and fellowships for public service (Office of Education) before May 5, 1975. Institutional grants establish, strengthen, and improve programs designed to prepare graduate and professional students for public service. The fellowship program supports graduate and professional students preparing for public service careers. Priority will be given to on-going public service programs with some consideration to new programs and to those programs emphasizing preparation of students for service in local and state government. Some federal employment of consultants is included. This information has been distributed. (Ref. 40FR13021-22, 3/24/75) (CFOA 13.555)

(174-3) The National Institute of Education (NIE) has issued proposed rules for its State Dissemination Grant Program, which has the goal of improving educational practice (including opportunities for minorities and women). Awards will be made to state and local agencies for "specific building grants" and "special purpose grants." Under the latter, training of staff and employment of consultants is included. The next application closing date is April 20, 1975. This program is part of the NIE Education Research and Development Program which includes basic and applied research, planning, surveys, and demonstrations. This information has been distributed. (Ref. 40FR12671-74, 1/29/99-70, 3/27/75) (CFOA 13.575)

(174-4) Certification of the scope of Environmental Education Projects has been issued by the Office of Education. Specifically excluded from coverage are traditional learning approaches to conservation and resource use, environmental science, nature study, outdoor education, or education. This information has been distributed. (Ref. 40FR12990, 3/24/75) (MFOA 13.522)

(174-5) Technical assistance proposals for child service demonstration centers (for those with learning disabilities) have a May 6, 1975 closing date. This information has been distributed. (Ref. 40FR12971-72, 3/25/75)

(174-6) Regulations for projects for material and child health and crippled children's services to institutions of higher education have been issued by the Division of Public Health. The goals are improved maternal and child health services for crippled children, and training for personnel dealing with health care and related services for the disabled. This information has been distributed. (Ref. 40FR12799-92, 3/27/75)

(174-7) Regulations for Nursing Special Grant projects have been issued by OHEW/PHS. Applications and instructions may be obtained from the Regional Health Administration, OHEW, Box 132, 12th and Market Sts., Philadelphia, Pa. 19101 (215-597-6482). This information has been distributed. (Ref. 40FR12791-83, 3/27/75)

(174-8) Postdoctoral fellowships are available for research training in areas related to heart and vascular disease. Stipends range from \$10,000 to \$13,200. Research includes: epidemiology, biostatistics, behavioral sciences, metabolism, physiology, pathology, nutrition, clinical investigation, chemotherapy, protein and immunohistochemistry, bioengineering, and genetics. Next deadlines are May 1 and 15, 1975. Contact: Dr. Max Heinrich, Jr., Menninger Branch, O.V. of Heart and Vascular Diseases, NH 1, Landon-Oldie, Room C-816, Bethesda, Md. 20814 (1-406-6846). (Ref. West. S.T., 3/24/75)

Intercom article is corrected

The March 20 issue of INTERCOM contained an article titled "At Capitol, students get involved: learn of problems of researchers."

The article was in error on many counts, crediting the Capitol Campus with a program which took place at University Park and failing to state that the program was that of Dr. A. H. Madjid, associate professor of physics, in the Thermionic Emission Laboratory. Dr. Joseph Pedulla, now assistant professor of physics at Capitol Campus, whom the article credited with the program of undergraduate involvement in research, was one of the graduate students in Dr. Madjid's laboratory.

Dr. Madjid points out that "starting about 66/69, I began to open my laboratory (the Thermionic Emission Lab which he started in 1967) to deserv-ing undergraduate students from the Science, Engineering, Liberal Arts and other curricula by involving them, within a variable credit special topic course, in simple ancillary studies within the research projects which were conducted at the Thermionic Emission Laboratory."

These undergraduate students, Dr. Madjid adds, generally worked under the immed-

iate direction of his senior graduate students, but under his own overall supervision. The aim was to demonstrate to the undergraduate that scientific research is an interesting and challenging task and not, as many initially believed, an uninteresting and inhuman occupation.

"On the part of the graduate student," Dr. Madjid says, "the program taught how to exercise scientific leadership and how to execute research planning successfully."

"Sixteen graduate students participated in this program; one of these sixteen was Joseph Pedulla," Dr. Madjid says. "His participation was indeed vigorous and enthusiastic and full credit should be accorded to him for his contribution to the success of this unstructured course. He contributed as a graduate student and not as a faculty member."

The INTERCOM article mentioned an "American Journal of Physics" article concerning the program of undergraduate involvement. The article was prepared by Dr. Madjid, Joseph Pedulla, and Drs. W. F. Anderson, Jr., and J. J. Martinez, both of whom were also graduate students in the Laboratory and who along with Dr. Pedulla and others were involved in the undergraduate research program.

Martha Graham Dance Co. Apr. 17-19



Yuriko Kiumura and Daniel Maloney perform "Embellished Garden" with Martha Graham Dance Co.

Tickets for two of the three performances of the Martha Graham Dance Co. on the Artists Series April 17, 18 and 19 are currently on sale at the HUB and at University Auditorium. Season ticket holders will attend the April 17 performance, and these tickets were sold out early.

Three different programs will be performed by the Company, the Friday and Saturday (April 18 and 19) programs including the famed "Appalachian Spring" dance, one of Miss Graham's interpretations of the spirit of pioneer America.

Now 81 years of age, Miss Graham has spent a half-century as dancer and choreographer. She continued to dance, in fact, until 1969, when illness forced her to stop.

The 24-member troupe will perform a variety of dances, some of which are described as "dance dramas" and "great theatre."

This Friday (April 11), the Newark Boys' Chorus is giving a program in University Auditorium, at 8:30 p.m. Tickets are likely all sold at this date.

Three Alumni Fellows to visit

Three prominent alumni will visit the University next week as Alumni Fellows.

—Dr. Murray C. Munkin, retired manager of market development for U.S. Steel Corp., Agri-Chemicals, Atlanta, Ga., will visit April 13-17 as a Fellow in the College of Agriculture.

—Herbert Beckhard, noted architect with Marcel Breuer and Associates, New York City, will visit the College of Arts and Architecture April 15-17.

Glee Club has program Apr. 13

The Penn State Glee Club and the Carlow College Concert Choir, 110 combined men's and women's voices, will join to present the first area performance of Stravinsky's "Les Noces" at 1:30 p.m. Sunday, April 13, in the Music Bldg. reed hall on the University.

The 1917 work, to be performed in the English version, is scored for chorus, four soloists, four pianos, and six percussionists and is among the most rigorous and challenging compositions by the master composer. Originally done as a ballet, the work portrays scenes from a Russian peasant wedding in four tableaux, at the bride's chamber, the groom's home, the departure for the wedding, and the marriage festivities.

Also to be performed by the Glee Club, directed by Bruce Trinkle, is Copland's "Old American Songs," six songs dating from the 19th century. The women's choir will perform Poulenc's "Litanies to the Black Virgin," "Four Cummings Choruses," poetry by "E. E. Cummings set by Persichelli, and "Mass in C. Sharp Minor," written by the Carlow Choir director, John Lively.

—Maj. Gen. Walter R. Knoch, former White House physician now with the Office of the Command Surgeon, Andrews Air Force Base, Md., will visit both the College of Science and the Milton S. Eshelby Medical Center in the period of April 15-17.

Dr. C. Munkin, who received three degrees from Penn State, is a past member of the Governor's Agricultural Advisory Council and a former president of the Penn State Agricultural Alumni Association. He holds honorary membership in the Pennsylvania County Agricultural Agents Association and received the Honorary State Farmer degree of the State Future Farmers of America. He now resides in Beltsville.

Beckhard has received numerous awards for architectural excellence. His close collaboration with Marcel Breuer has resulted in such awards as the American Institute of Architects Honor Award for 1972 for the design of the Jacques Koerfer House on Lago Maggiore in Ascona, Switzerland. A year later, they won another Honor Award for their design of St. Francis deSales Church in Muskegon, Mich., making the duo the only Honor Award recipients to be honored two years in a row. He was a member of the Penn State Class of '49.

Gen. Knoch, a Distinguished Alumnus of the University, was graduated from the University in 1941, then attended Pitt Medical School. He served as physician to President Nixon and headed the White House Clinic. He served in Vietnam as command surgeon for Headquarters, 7th Air Force. Gen. Knoch holds the rating of chief flight surgeon and his military decorations include the Legion of Merit, Bronze Star Medal, Air Medal, Air Force Commendation Medal and the White House Service Medal.

Vol. A, No. 30
Penn State INTERCOM is a weekly publication for the academic community of The Pennsylvania State University, published each Thursday when classes are in session. General information and items for the calendar should be sent to the editor by Thursday of the week preceding publication date, Room 312 Old Main.
Editor: W. F. Ackerman
Phone 865-7372

University Park Calendar

April 10-20, 1975

Items to be included in this calendar should be sent to the editor, Room 312 Old Main, by Thursday of the week preceding publication.

Special Events

Thursday, Apr. 10 — Poetry reading by Michael S. Harper, Brown University, 8 p.m., Room 112 Kern, sponsored by department of English, Black Cultural Center, and Graduate Student Association.
Thursday, Apr. 10 — FSHA 410 dinner, "Mexico," 5:30 p.m., Maple Room, Humanities Department. Reservations required, 865-7441.
Thursday, Apr. 10 — GSA workshop, 7:30 p.m., Room 101 Kern.
Thursday-Saturday, Apr. 10-12 — NAIAD Show, Natatorium, 8 p.m. Tickets at 105 White and Natatorium.
Friday, Apr. 11 — Artists Series, Newark Boys Chorus, 8:30 p.m., University Auditorium.
Friday, Apr. 11 — Folk and Square Dance, 7:30 p.m., north gym, White.
Friday, Apr. 11 — Commonsplace Coffeehouse, 8 p.m., Room 112 Kern, Stan Shepherd.
Friday, Apr. 11 — Campus 4-H Club dance, 8:30 p.m., HUB ballroom.
Friday, Apr. 11 — Operation Skywatch, 7:30-10 p.m., Davey Lab, weather permitting. If skies not clear, postpone to next night.
Friday-Saturday, Apr. 11-12 — Sports: Military Lion Track and Field Relays, Beaver Stadium, 1 p.m., Friday, Saturday, 9 a.m.
Saturday, Apr. 12 — Dr. Jane Fally, clinical psychologist, University of North Carolina, on "A New World Society," 8:30 p.m., Room 112 Kern, Sponsored by the Bahai! Students Association.

Saturday, Apr. 12 — Sports: Golf, vs. George Washington, 1 p.m.; Lacrosse, vs. Syracuse, 8 p.m.

Saturday-Sunday, Apr. 12-13 — Hetzel Union Board Arts and Crafts Festival, noon to 4 p.m., HUB ballroom. Items for sale.

Saturday, Apr. 12 — 50th Annual Dairy Exposition dairy cattle judging, 9:30 a.m.
Sunday, Apr. 13 — Penn State Glee Club and Carlow College Choir, 1:30 p.m., Music Bldg. recital hall.

Sunday, Apr. 13 — Penn State Concert Band Band program, 4 p.m., University Auditorium.

Sunday, Apr. 13 — Chapel Service, 11 a.m., Eisenhower Chapel. Rev. Leon B. Hall, Pastor, Black Christian Fellowship.

Sunday, Apr. 13 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

Monday, Apr. 14 — Mary Ann Frazier, organ recital, 8:30 p.m., Music Bldg. recital hall.

Monday, Apr. 14 — Library seminar on methodology and problem solving, 7 p.m., Room W106 Pattee Library.

Monday, Apr. 14 — Sports: Women's soccer and softball round robin tournaments begin; soccer 6 p.m., softball, 6:30 p.m.

Tuesday, Apr. 15 — Gallery talk by Carl Christian Dauterman, Metropolitan Museum of Art, on "The Royal Manufactory at Sevres," 10:30 a.m.; Museum of Art.

Tuesday, Apr. 15 — Sports: Baseball, vs. Bucknell, 8:30 p.m.
Tuesday, Apr. 15 — Artists Series film, Ingmar Bergman's "Winter Light," 8:30 p.m., University Auditorium.

Tuesday, Apr. 15 — PI Lambda Theta, program and initiation, 7:30 p.m., Rooms 102 and 112 Kern.

Wednesday, Apr. 16 — "Moondays" devotional service, 12 noon, Eisenhower Chapel, Rev. Robert Boyer.

Note: the program of music by Musica da Camera, scheduled originally April 16, has been changed to Thursday, May 1 at 8:30 p.m. in the Music Bldg. recital hall.

Wednesday, Apr. 16 — University Theatre student preview, "Jim Dandy," 8 p.m., Pavilion Theatre.

Wednesday, Apr. 16 — Hiller rally for Israel independence, 7:30 p.m., HUB ballroom.

Wednesday, Apr. 16 — Valentine Litvinoff, choreographer, lecture-demonstration, 8 p.m., White Bldg.

Wednesday-Thursday, Apr. 16-17 — FSHA 410 dinner, 5:30 p.m., Maple Room, Human Development. Wednesday, "United States," Thursday, "Japan." Reservations required, 865-7441.

Thursday, Apr. 17 — Food Science program, film, "Food: Green Grow the Plants" (ABC News Close Up), 2:20 and 7:30 p.m., Room 117 Berntsen Lab. Discussion follows.

Thursday, Apr. 17 — GSA garden plot workshop, 7:30 p.m., Room 112 Kern.

Thursday-Saturday, Apr. 17-19 — Artists Series, Martha Graham Dance Company, 8:30 p.m., University Auditorium.

Thursday-Saturday, Apr. 17-19 — Penn State Aquatic Institute, Natatorium.
Thursday-Saturday, Apr. 17-19 — University Theatre, "Jim Dandy," 8 p.m., Pavilion Theatre.

Thursday-Friday, Apr. 17-18 — Phi Delta Kappa and Pennsylvania Educational Research Association Conference, Conference Center.

Friday, Apr. 18 — Sharon Brook, piano recital, 8:30 p.m., Music Bldg. recital hall.

Friday, Apr. 18 — Commonsplace Coffeehouse, 8 p.m., Room 112 Kern.

Friday, Apr. 18 — Men's tennis, vs. Bloomsburg, 2 p.m.

Saturday, Apr. 19 — Men's track, vs. Kent State, 1:30 p.m. Women's track vs. Pitt and Western Pa. Track Club.

Sunday, Apr. 20 — Kathryn Cowdick, vocal recital, 3:30 p.m., Music Bldg. recital hall.

Sunday, Apr. 20 — Chapel Service, 11 a.m., Music Bldg. recital hall. Dr. Norman R. Dixon, professor of higher education, University of Pittsburgh.

Sunday, Apr. 20 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

Sunday, Apr. 20 — Men's tennis, vs. East Stroudsburg, 2 p.m.

Seminars

Thursday, Apr. 10 — Man-Environment Relations, 4 p.m., S131 Human Development, Dr. Samuel Klausner, U. of Pennsylvania, on "Energy and the Poor."

Friday, Apr. 11 — Ecology, 9:30 a.m., Room 111 Tyson. Richard Eshelman on "Concept of Ion Activities in Soil-Plant Systems."

Friday, Apr. 10 — Physics and Astronomy joint colloquium, 3:35 p.m., Room 117 Osmond, Edward E. Harrison, University of Massachusetts, on "Recent Developments in Cosmology."

Friday, Apr. 10 — Chemistry, 12:45 p.m., Room 333 Whitmore. G. A. Somorjai, University of California, Berkeley, on "Elementary Steps of Catalytic Reactions on Metal Surfaces."

Friday, Apr. 10 — Air Pollution Control, 2:20 p.m., Room 145 Fenske. Floyd Elder, Cambria Center for Inland Waters, Burlington, Ontario, on "Contamination of Water Bodies by Air Pollution."

Friday, Apr. 10 — Biophysics, 4 p.m., Room 617 Life Science I. Dr. Harold Land, Laboratory of Biophysics, National Institutes of Health, on "Synthetic Excitable Membranes."

Friday, Apr. 10 — Microbiology, 1 p.m., Room S2 Frear, Katherine D. Thompson, on "The Defect in Translation of Poliovirus RNA at the Non-permissive Temperature;" and at 4 p.m., Room S2 Frear, Dr. Nat Sternberg, NIH, Bethesda, on "Packaging of DNA by Bacteriophage."

Friday, Apr. 10 — Transportation Institute, 2:20 p.m., Room 189 Materials Research Lab. Ronald Abler, geography, on "Communication vs. Travel."

Friday, Apr. 10 — Statistics, 4 p.m., Room 62 Wise, Lawrence A. Klimko, on "Maximum Likelihood Estimation with the Weibull and Lognormal Models."

Friday, Apr. 10 — Mathematics, 4 p.m., Room 15 McAllister. Dr. G. Glauber, on "Innovations on Transportation Systems for New Towns."

Friday, Apr. 11 — Physical Chemistry, 4 p.m., Room 333 Whitmore. H. Handley, National Bureau of Standards, on "Molecular Dynamics of Calculation of the Thermodynamic Properties of Fluids."

Friday, Apr. 11 — New Communities, Architecture, 2 p.m., Room 322 Sackett. Dr. John Dickey, Director of Center for Urban and Regional Studies, Virginia Polytechnic Institute and State University, on "Innovations on Transportation Systems for New Towns."

Friday, Apr. 11 — Genetics, 3:55 p.m., Room 111 Tyson. Gordon Buswell on "Techniques for Studying Anthocyanin Inheritance in Plants."

Friday, Apr. 11 — Horticulture, 12:45 p.m., Room 10 Tyson. Franz A. Blazich on "Cold Resistance and Injury in Woody Plants."

Tuesday, Apr. 15 — Plant Pathology, 9:45 a.m., Room 213 Buckhout. Rick Latton on "Estimation of Yield Loss Due to Disease."

Tuesday, Apr. 15 — Geosciences, 4 p.m., Room 26 Mineral Sciences. John M. Denison, University of North Carolina, AAPG Distinguished Lecturer, on "Influence of Eustatic Sea-Level Changes on Oil and Gas Accumulations in the Appalachian Basin."

Tuesday, Apr. 15 — Operations Research, 3:45 p.m., Room S-131 Human Development. Dr. E. Emory Ensore, on "An EOQ Model when Production Standstards are Assumed to be Non-distributed."

Tuesday, Apr. 15 — Agricultural Communications, 7:30 p.m., Room 301 Agricultural Communication. Sue Benedetti and Gary Nugent, Extension Service-U.S.D.A., on "Youth/4-H Information and News."

Tuesday, Apr. 15 — Chemical Engineering, 3:45 p.m., Room 140 Fenske. J. E. Lane, CSIRO, Australia, on "A Short History of Surface Science."

Tuesday, Apr. 15 — Solid State, 3:45 p.m., Room 250 MRL. Dr. E. W. Mueller, physics, on "Observations of Surfaces by Field Ion Microscopy."

Tuesday, Apr. 15 — Solid Waste Manage-

ment, 2:20 p.m., Room 140 Fenske. Joseph Bern, Vice President for Research and Development, U.S. Utilities Corp., Monroeville, on "Hazardous and Industrial Wastes: Telling It Like It Is."

Wednesday, Apr. 16 — Fuel Science and Acoustics joint seminar, 4 p.m., Room 301 Mineral Industries. Dr. Leonard G. Austin, fuel science, on "Mechanical Properties of Coal."

Wednesday, Apr. 16 — Remote Sensing, 2:30 p.m., Room 225 Electrical Engineering West. Film, "To Water by Air," a demonstration of the use of remote sensing techniques to prospect for water.

Thursday, Apr. 17 — Transportation Institute, 2:20 p.m., Room 189 Materials Research Lab. Charles Hoppe, U.S. Railway Association, on "USRA's Planning for Passenger Service."

Thursday, Apr. 17 — Physics and Nuclear Engineering joint colloquium, 3:35 p.m., Room 17 Osmond. Alvin M. Weinberg, Director, Energy Research and Development Office, Washington, D.C., on "Is Nuclear Energy Acceptable?"

Thursday, Apr. 17 — Agronomy, 8:30 a.m., Room 111 Tyson. Joe Smith on "A Source of Male Sterility in Mating Barley."

Films

Thursday-Sunday, Apr. 10-13 — Centre Cinema, "Jonathan Livingston Seagull," 7:30 and 10 p.m. Thursday, Simmons lounge, Friday-Sunday, Room 105 Forum.

Monday, Apr. 14 — French Department film series, "Ophuls' 'La Ronde,'" 7 and 9 p.m., Room 112 Kern.

Wednesday, Apr. 16 — Commonsplace Theatre, "Citizen Kane," 7:30 and 9:30 p.m., Room 112 Kern.

Thursday, Apr. 17 — Centre Cinema, "Last Tango in Paris," 7:30 and 10 p.m. Thursday, Simmons lounge, Friday-Sunday, Room 102 Forum.

MEETINGS

Monday, Apr. 14 — USG Senate, 7 p.m., HUB assembly room.

Monday, Apr. 14 — Education Student Council, 7 p.m., Room 123 Chambers.

Monday, Apr. 14 — OTIS, 6:30 p.m., Room 20 HUB.

Monday, Apr. 14 — APES (Anthropology Promotion and Enrichment Sodality), 7 p.m., Room 113 Social Science. Speaker Dr. Eugene Borszta, history, on "The Reality of Planets."

Tuesday, Apr. 15 — Engineering Undergraduate Council, 7:30 p.m., Room 207 Sackett.

Tuesday, Apr. 15 — Senate Committee on Academic Affairs, 8 a.m., Room 101 Kern.

Tuesday, Apr. 15 — College of Education faculty luncheon, 12:30 p.m., Room 101 Kern.

Tuesday, Apr. 15 — Central Pa. Chapter of the Association of Computing Machinery, 7:30 p.m., Room 26 Mineral Sciences. Carl P. Palmer on computers in photography.

Wednesday, Apr. 16 — USG Academic Assembly, 7:30 p.m., Room 351 Willard.

Wednesday, Apr. 16 — A.P.E.S. (Anthropology Promotion and Enrichment Sodality), 8 p.m., HUB Reading Room. "Cultural Perspectives on Women" series, with speaker Dr. Warren Morril, anthropology.

Thursday, Apr. 17 — Faculty women of College of Education, coffee, 10 a.m., Room 101 Kern. Speaker, 11 a.m., Room 112 Kern.

Thursday, Apr. 17 — Department of Economics faculty, 2 p.m., Room 101 Kern.

Friday, Apr. 18 — AIAA Central Pennsylvania Section, 4 p.m., Room 232 Hammond. Professor Iorio Tanki, Professor Emeritus, University of Tokyo, on "Some Application of Weakly Nonlinear Stability Theory to the Problems of Boundary-Layer Transition."

Lecture

Interdisciplinary Colloquium on The Medieval World April 10-12, Room 402 Keller.

Thursday, Apr. 10 — Brian Tierney, Cornell University, "Medieval Constitutional Ideas and Realities," 10 a.m.

Thursday, Apr. 10 — David Herlihy, Harvard University, on "What We Know about Medieval Marriage," 3 p.m.

Friday, Apr. 11 — John Layer, University of Toronto, on "The Game and Play of Courtly Love," 10 a.m.

Friday, Apr. 11 — Harry Boker, New York University, on "The Imagery of Mysticism and Mystical Revelation in a Gothic Illuminated Manuscript," 3 p.m.

Saturday, Apr. 12 — Edward Sydnor, The Pontifical Institute, Toronto, on "Love of Wisdom in the Middle Ages," 10 a.m.

Tuesday-Thursday, Apr. 15-17 — Health Planning and Administration, 4 p.m., Room 117 Human Development, Dr. John Dewdney, University of New South Wales. Tuesday on "New Guinea: With Doctors or Which Doctors?" Wednesday on "The Fed vs. the States: Australian Health Services." Thursday on "Australia's Health Services — Non-socialized Medicine."

Thursday, Apr. 17 — Dottener Lecture, 8 p.m., Room 112 Kern. John N. Findlay, professor of philosophy, Boston University, on "The Good, the Mind, and the Soul in Platonic Teaching."

Exhibits

Museum of Art — Works by Will Barnett, Gallery A. Selections from the Permanent Collection, Gallery B. Lee Krasner, Collages and Works on Paper, Gallery C.

Zoller Gallery — "Invisions 1975" — faculty-student portfolio. Edwardward Mui-bridge, a traveling exhibition, until April 12. April 14-26, photographs and American paintings of Steven Dohanos.

Pattee Library — Photographs, "Faces of Prague," by Cynthia Begnal, through April 18.

Chambers Gallery — Brent Wilson, Leon Altieri, art education, Painting and Sculpture.

Photography Gallery, 212A Arts Bldg. — Walker Evans Portfolio.

Kern Gallery — Prints, Drawings, Photographs by graduate students.

HUB Gallery — "French Cheeses and Wine," French Embassy Exhibit.

Pollock Lounge — Origami, through April 15. Design Class Projects, opening April 16.

Dohanos show



One of Steven Dohanos' many Saturday Evening Post covers is this painting of two cool heaters; it is among the 60 works by Dohanos to be displayed April 14-26 in Zoller Gallery. A public reception followed by a talk by the artist, will be held at 7 p.m. Monday (April 14) in the Zoller Gallery.

SENATE —

(Continued from page one)

ture in order to improve coordination among the geographic units of the University. Its name would be changed to that of a commission.

The proposed organization calls for a Senate Cabinet composed of chairmen of the standing committees, which would be increased to 12; the chairman of the Commission on Intra-University Relations, and the Senate officers. The Cabinet's function would be to initiate and review progress of the charges to the committees.

The new structure would include the Faculty Advisory Committee and Committee on Committees and Rules, both previously established by the Senate; the Commission on Intra-University Relations, and 12 standing committees: Undergraduate Instruction; continuing education; extended degrees; admissions, records, and scheduling; curricular affairs; academic and athletic standards; libraries; research and graduate study; faculty affairs; student affairs, awards, and scholarships; external affairs, and planning and development.

The committee structure proposal is to come up for a vote at the May Senate meeting.

In other action, the Senate defeated, by a 69 to 57 vote, a motion to revise proposed guidelines on use of the University mailing system. The proposal was tabled at the March meeting.

Eco-Action meeting

Eco-Action, the student sponsored organization concerned with environmental problems, is sponsoring a conference which will include lectures, discussions and a major talk by Walter Hickel, Secretary of the Interior, 1969-1970, and former governor of Alaska.

Mr. Hickel will speak Friday, April 25, at 8 p.m. in the HUB ballroom, on the subject, "Our Social Values and the Environment — A Conflict?"

Registration and a reception will be held April 24, 7-10 p.m. in the HUB Reading Room. Sessions will be held Friday and Saturday mornings, and tours of the Nuclear Reactor and The Living Filter project will be held.

Dotterer lecture

John N. Findlay, professor of philosophy at Boston University and formerly of Yale University, will deliver the sixth annual Dotterer Lecture on Thursday, April 17, at 8 p.m. in Kern Graduate Bldg., on the subject, "The Good, The Mind and the Soul in Platonic Teaching."

A Fellow of the British Academy and a former president of the Aristotelian Society, Professor Findlay delivered the Gifford Lectures at St. Andrews University from 1964 to 1966.

Among his many books are "Values and Intentions," "The Discipline of the Cave," "The Transcendence of the Cave," "Ascent to the Absolute" and his most recent work, "Plato: The Written and Unwritten Doctrines." His book, "Hegel: A Reexamination" sparked the current revival of Hegel studies in the English-speaking world.

The Dotterer Lecture honors Dr. Raymond H. Dotterer, a member of the philosophy faculty at the University for many years. Dr. Dotterer retired in 1947 and died in 1967.

Harper poetry

Michael S. Harper, poet and professor of English at Brown University, will read his poetry today (April 10) at 8:00 p.m. in Room 112 Kern Bldg.

Harper is the author of six books of poetry. His first, "Dear John, Dear Coltrane" (University of Pittsburgh, 1970) was nominated for the National Book Award. He has received awards from both the Black Academy of Arts and Letters and the National Institute of Arts and Letters for his "grave, blunt poems (which) deal with human and black experience" simultaneously, welcoming white Americans into "their music as far as our imaginations and our hearts permit it and our history entitles us to go."

Harper was born in Brooklyn in 1938. He received an M.A. from the Writer's Workshop at the University of Iowa. He is now the director of the Writing Program at Brown.

His reading is sponsored by the Department of English, the Black Cultural Center, and the Graduate Student Association.

NEWS —

(Continued from page one)

Affairs, is underway with a use of man-craft, by three local craftsmen, Judy Kolenbraden, Sidne Lewis, and Marsha Thorsen.

Other exhibits scheduled for the future include Southeast Asia decorative fabrics, Marimekko designs from Finland, and photos showing the life style and activities of international students at Penn State. Future plans include the development of international exhibits featuring global concerns crossing national and cultural boundaries.

Anyone interested in participating in the exhibits program may call Mrs. Hadijah Ooregbu, assistant director for programs, Office of International Student Affairs.

LAST SKYWATCH

The last Operation Skywatch of the season, planned by the Department of Astronomy, is scheduled for Friday, April 11, weather permitting. The public is invited to the open house between the hours of 7:30 and 10 p.m. to see the crescent phases of Venus and Saturn and its rings. No tickets are needed. Come if you can see bright stars with the naked eye. The observatory is atop Davey Lab, on central campus.

Withholding Reminder — W-4E

The Controller's Office wishes to remind those employees who filed a Withholding Exemption Certificate — Form W-4E for 1974 that this certificate will expire on April 30, 1975 for taxpayers on a calendar year basis. The exemption claimed on Form W-4E must be renewed annually.

If you qualify and wish to continue your exemption, or if you are applying for the first time, you must file a new Form W-4E for 1975. You may claim the exemption from withholding if you had no income tax liability for 1974 and if you anticipate no income tax liability for 1975. Forms are available from the Payroll Department, 301 Shields Building.

In general the elimination of the withholding applies to only those working part-time. The principal advantage is that it will eliminate the need to file an income tax return at the end of the year to obtain a refund of money withheld.

Before Legislature committees

President comments on education bill

Following is the testimony presented April 1, 1975, concerning Senate Bill 224, before joint Senate and House Education Committees in Harrisburg, by President Oswald. The bill pertains to the proposed establishment of a Commonwealth University System which would include the present State Colleges and Indiana University of Pennsylvania.

I am John W. Oswald, President of The Pennsylvania State University. Some of you may recall that shortly after I arrived in Pennsylvania, I began meeting with a group of eleven college presidents, representing each segment of higher education in Pennsylvania. As a result of those meetings, the Pennsylvania Association of Colleges and Universities sent to the Master Plan Committee of the State Board their proposals for higher education in the 1970's. Many of the ideas set forth in that proposal were accepted as an integral part of the Master Plan for Higher Education in Pennsylvania adopted in May, 1971, by the State Board of Education. The basic assumption of the 1971 Master Plan was ultimately adopted by the State Board of Education as a single comprehensive program of higher education in Pennsylvania, emphasizing that what was done in one segment was of import to all segments.

Since those early meetings, I have taken an active role in PACU serving in a variety of capacities including chairing the recent PACU "Proposal for Financing Higher Education in Pennsylvania." I have also worked on a national level toward cooperation in higher education. Before I came to Penn State, I served as Chairman of the Government Relations Committee of the National Land-Grant Association. More recently, I chaired the Board of the American Council on Education, the national association of more than 1500 colleges and universities. Presently, I am Vice President and President-elect of the Association of American Universities, an organization of 46 of the Nation's major graduate and research universities.

I present this background to indicate my advocacy of coordination and cooperation among the various segments of higher education nationally and in Pennsylvania.

On page 1 of the 1971 Master Plan, the State Board of Education said about Coordination and Accountability: "Meeting the goals of higher education in Pennsylvania requires efficient organization and mission acceptance." The State Board further defined the mission of each segment of higher education. The Board assigned to the State-owned Colleges and Universities four goals:

1. To provide baccalaureate programs in the general arts and sciences and in education, with increasing emphasis upon upper division work to allow for community college transfer students.
2. To develop selective graduate programs at the master's level, with approval by the Secretary of Education, through established procedures. By this means the foundation should be laid for future selected and limited doctoral programs, as needed by the State.
3. To bring their resources to the people of the Commonwealth through programs of continuing education.
4. To operate established or approved branch campuses primarily as lower division program feeder branches of the parent institution. Approval for founding these campuses, thus expanding them to grant baccalaureate degrees should come from the Secretary of Education in accord with regulations of the State Board of Education, based upon Commonwealth needs.

The role the State Board assigned to the three comprehensive Commonwealth Universities (Pitt, Temple, and Penn State) was quite different and avoided duplication by indicating that these institutions should assume a primary role in providing graduate programs, to maintain a primary responsibility for research, and to emphasize

education for advanced professional personnel needed for the Commonwealth's social and economic development.

As for Senate Bill 224, I see some value in the proposed administrative reorganization, including a single governing board with a closer working relationship with a similar mission in the State-owned college and university segment. I believe the reorganization could result in greater administrative efficiency without lessening accountability. These institutions deliver a crucial service to their respective geographic areas. They are appropriately recognized in character and perform a major mission as part of a total State program of higher education as defined in the Master Plan.

In my review and discussion regarding this proposed legislation, however, I have felt and understood the purpose was to reorganize the administration to provide more institutional autonomy and administrative flexibility, and to improve the coordination and management. I was somewhat surprised and concerned to note the present language in Senate Bill 224, Section 2003A, appears to redefine the mission of the State Colleges and depart with the language or concept of the 1971 Master Plan. There appears to be a danger that duplication of mission and programs and less coordination may result.

My chief concern is with the section beginning with Line 27, Page 4. "To accomplish its objectives, the University shall consist of institutions throughout the Commonwealth which together shall offer instruction in the State-owned Colleges and Universities, in the applied fields, and in the professions, graduate studies, research, and such other pursuits as the Board may determine." This would appear to authorize 14 additional comprehensive universities, apparently identical to those in the existing Commonwealth Universities.

At a time when enrollments are leveling and State funds inevitably more difficult to secure and at a time in which duplication of costly programs must be avoided, this bill appears to ignore the Master Plan of the State Board and to redefine and significantly expand the mission of the State-owned institutions.

The one further objection to the bill, is the name, "Pennsylvania Commonwealth University at . . ." My concerns are three-fold. First, the proposed name, the Pennsylvania Commonwealth University, is misleading — not just because of the use of the term "University," but because the language of the bill appears to define a broad and comprehensive mission.

Second, the proposed name will be potentially confusing within Pennsylvania. There are already 14 Commonwealth Universities, defined as such in terms of mission, in the Master Plan. Is the proposal to enlarge this group? If so, how would this redefinition influence the efficiency and efficiency of the total State system?

Third, the proposed name will be confusing outside of Pennsylvania. The terms "state" and "commonwealth" are used interchangeably both inside and outside of Pennsylvania. The proposal could cause confusion, especially outside of Pennsylvania, between The Pennsylvania State University and The Pennsylvania Commonwealth University, is in my view, generally a real disadvantage. The purpose of the new legislation is the establishment and organization, not of a University, but a system of higher education institutions, each of which is already in existence. There is no proposal for a common curricula, common faculty or other characteristics normally associated with a single institution or university. Indeed the legislation refers to each campus as an institution. Therefore, the bill should avoid the confusion and the implication of a new institution with a new broader mission being established. The new entity should be entitled what it really is — The State College and University System of Pennsylvania. It would be made up of Bloomsburg State College of Pennsylvania, Lock Haven State College of Pennsylvania, and Indiana University of Pennsylvania.

In summary, Senate Bill 224 is not more than a reorganization of structures as now stands. It is also, Section 2003A, a revision of mission of such magnitude that it deserves extensive review as to its long term impact on all segments of higher education in Pennsylvania and not just the 14 State-owned Colleges and Universities. The scope of the proposed change — including the proposed change in mission — any needs to be more clearly defined. The impact of those proposals on the total State structure thoroughly explored. Finally, the confusion in name should be minimized and eliminated if possible.

PENN STATE intercom

Volume 4, Number 31

April 17, 1975

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

Dr. Trotter, HEW official, to speak

Henderson Building dedication set

A dedication program for the Grace M. Henderson Human Development Building will be held Friday and Saturday, April 18 and 19 with tours of the building, a keynote address by Dr. Virginia Y. Trotter, three colloquiums, and a ceremony Saturday morning at 10 a.m.

Dr. Trotter, assistant secretary of education, U.S. Dept. of Health, Education and Welfare, will discuss "Voices of the Future" Friday, at 3 p.m. in Room S209 Human Development Bldg.

The three colloquiums will be held Friday evening, at 8 p.m. A session on "Community Health" will be held in Room 108, with Dr. Rae Sedgwick as coordinator. A session on "Community Service" will be

held in Room 117, with Dr. Robert Sebring as coordinator. And the third session, with Dr. Joseph Britton as coordinator, will be held in the Living Center, on the subject, "Life Span Development."

Dr. Henderson served as dean of the College of Home Economics for 15 years, retiring in 1966. The Board of Trustees took action to name the primary portion of the Human Development complex for her at a recent meeting.

Dr. Trotter, the first woman to hold the position she now has, will also speak to students and faculty of the College of Education Friday at 11 a.m. in Room 112 Kern on "A Briefing from the U.S. Office of Education: Issues and Concerns."

Vinie Burrowes to be featured

Black Arts Festival starts Friday

The annual Black Arts Festival, sponsored by the Cultural Center, will begin Friday, April 18, featuring a wide range of Black arts — including drama, music, communication workshop, a gospel concert, and an art exhibit. All events are free and open to the public.

On Friday, April 18, a student talent show will be staged at 7:00 p.m. in the Assembly Room of the Walnut Building.

On Saturday, April 19, a carnival for children will be held from 1:30 p.m. to 3:30 p.m. at the Cultural Center, and a Caribbean Festival will follow at 7:00 p.m., featuring the music, food, and the folkways of life in the West Indies.

Religious services will be conducted at 11 a.m. Sunday, April 20, in the Music Bldg. recital hall. The speaker will be Dr. Norman R. Dixon, associate professor of education, University of Pittsburgh. At 100 p.m., there will be a gospel concert and at 7:00 p.m. a fashion show, both in the Schuylab Auditorium.

Monday, April 21, there will be a communication workshop featuring Stan Latham, a Penn State graduate, nationally known for his work with Sesame Street. The public is invited to the general discussion and presentation at 7:00 p.m. in the Walnut Building.

Tuesday, April 22, Vinie Burrowes will be the one woman show, "Walk Together Children," the Black scene in poetry, prose,

and song. Clive Barnes of the New York "Times" called her "a magnificent performer." It will be held at 8:00 p.m. in Room 105 Forum.

"Walk Together Children" reopened in New York City last season and the new edition of the highly acclaimed program broke all existing records, its five-month run being the longest for a one-woman show in off-Broadway annals. The collage of poetry, prose and song, evoking the Black journey from auction block to new nationhood, uses the words of ex-slaves, historical figures, plus key works by June Jordan, Imamu Baraka, Robert Hayden, Don Lee and more than a dozen gifted Black writers.

Artists Series

Some tickets are still available for the performances by the Martha Graham Dance Co. on the Artists Series April 18 and 19 in University Auditorium, at 8:30 p.m. The company will also perform for an audience of largely season ticketholders April 17. Tickets that are available are being sold at University Auditorium and at the HUB.

The performances Friday and Saturday will include the famed "Appalachian Spring" dance but other dances will be quite different in the two programs and considerably different from the Thursday program.

Policy clarified on human subjects studies

A clarification of University policy regarding the protection of human subjects in conformance with regulations of the Department of Health, Education and Welfare has been issued by Dr. Richard G. Cunningham, vice president for research and graduate studies.

HEW regulations are applicable to research, development and related activities, irrespective of whether the activity is carried out through organized research, resident instruction or continuing education.

Research, instruction and continuing education activities by student groups are also subject to review by the appropriate University human subjects committee — i.e., Biomedical or Behavioral and Social Sciences.

University policy concerning human subjects is based on and is compatible with HEW regulations, so the above restrictions apply to all work in the University involving human subjects, whether or not it is sponsored by HEW.

Work is going forward to revise procedures and thus reduce the delay involved in obtaining committee clearances for a proposed activity. As an interim measure, persons may call the secretary to the two review committees, James W. Lundy (865-0512), if they have questions or wish to obtain a preliminary opinion as to whether or not a formal committee review bill will be necessary in a particular case.

A committee will also be appointed to draft a comprehensive policy and procedures document for release later this year.

Behrend seeks assistant dean

Behrend College is seeking to fill the position of Assistant Dean for Undergraduate Studies, and a search committee, headed by Dr. Michael Simmons, is currently accepting applications. The deadline for receipt of these applications, with resumes, is April 30, 1975. They should be addressed to Dr. Simmons at Behrend College, The Pennsylvania State University, Station Road, Erie, Pa., 16510.

The Assistant Dean for Undergraduate Studies is the Assistant to the Dean of the Faculty, serving as admissions officer and supervising the office of Academic Services, which he heads and which is responsible for student records, scheduling of courses, instructional services, computer center, auditing of students' academic progress, registrations, administering selected academic budgets, analytical studies on requests, and other tasks as assigned by the Dean of Faculty.

Candidates should have a doctoral degree, have had teaching experience at the university level, and have had experience in an administrative capacity in higher education. Experience in computer systems is also highly desirable.

Schulman speaks twice in Cuba

Ivan A. Schulman, graduate research professor of Latin American Literature at the University of Florida, will present two public lectures at 8 p.m. on Tuesday, April 22, and Wednesday, April 23.

One of the few United States scholars who has visited Cuba in recent years, Dr. Schulman will discuss "Cuban Society under Castro" at his first lecture, which will be held in 111 Chambers Bldg.

"Three Cuban Concepts of the Baroque" will be his topic in the second lecture, scheduled for 101 Kern Graduate Bldg. The first lecture is sponsored by the Latin American Studies Committee of the College of the Liberal Arts and the second by the Department of Spanish, Italian and Portuguese.

Dr. Schulman, who obtained his doctorate at the University of California at Los Angeles, is an expert on the Modernist Movement in Spanish-America and on 20th century Cuban letters. He is also one of the foremost scholars on the works of Jose Marti.

Officer elections by Faculty Club

Annual elections for the Board of Directors of the Penn State Faculty Club are being conducted, and ballots will be counted on April 28, when three officers and eight Directors-at-Large will be elected.

A Nominations and Elections Committee has submitted the following names for consideration for the various posts:

President: Donald R. Olson (current vice president).

Vice President: Peter D. Bennett (currently a Director-at-Large).

Treasurer: James R. Dungan.
Directors-at-Large: Catherine A. Carter, Ralph W. Condee, Vladimir deLissow, Della Durant, Marjorie East, Robert H. Gray, Helen A. Guthrie, Alexander Kalenak, Ross B. Lehman, Arthur O. Lewis, Jr., Robert F. Lima, R. William Millman, Wayne K. Murphy, Chalmers G. Norris, Howard B. Palmer, David C. Rice, Doris M. Seward, Thomas Smyth, Jr., William A. Steele, and Clarence O. Williams.

Eight Directors-at-Large will be elected from the 19 names submitted, and the elected officials will take office Sept. 1, 1975.

It is expected that groundbreaking for the new facility just north of the Nittany Lion Inn will take place shortly.

Any members of the faculty wishing to become a member of the Club may obtain further information at Room 109 Carnegie.

Council discusses student problems

Students frequently are confronted with classroom situations (exclusive of grades and grading) which cause them considerable anguish and inconvenience. University Council was advised at its last meeting.

A subcommittee, with Dr. Donald V. Josephson as chairman, identified scheduling of comprehensive examinations, failure to keep office hours, cancellation of classes and discrimination as the most seriously abused situations.

The subcommittee also found that most students do not know where to turn when confronted with classroom problems and that many do not consult their advisors or the office of their associate deans for various reasons, including fear of reprisal.

"There appears to be a real need for a 'visible' and well-publicized procedure that students can follow in reporting classroom problems," Dr. Josephson said. "Actually, the channels are now available but students either don't know they exist or avoid using them."

The subcommittee will continue to identify problems as well as to seek ways to inform all students of procedures they can follow in confidence to report classroom problems, procedures that are not now well-known.

Council also continued discussion on the condition of classrooms as it affects quality of instruction. Included were ventilation and cleanliness, especially late in the day, and it was recognized energy conservation needs as well as economy of operation are related to the problems faced.

Engineering clubs hold open house

Tours, films, demonstrations, and visual materials will "explain" the role of the engineer in the modern world in an open house program sponsored by the Engineering Undergraduate Student Council advised by the ten departments of the College of Engineering, Saturday, April 19, from 10 a.m. to 5 p.m.

About 50 attractions will be available for the public, ranging from a walking tour of the Nuclear Reactor (with transportation provided to the Reactor), to a laser machine tool, to a mock circulatory system for testing artificial hearts.

An information center will be set up in Hammond Bldg. near the Allen St. entrance, and this will serve as a good starting point.

Most of the laboratories of the College will be open, and students will be on hand to explain much of the equipment.

Appointments

Dr. Katsundo Hitomi, head of the department of mechanical engineering at Osaka University, Japan, is serving as visiting professor of industrial engineering, for a five-month period, and will conduct research in heat transfer characteristics in the die casting process. He was a graduate assistant at Penn State in 1959-61, receiving an M.S. degree. He is recognized internationally for writings on machine tool optimization.

Thomas Thorburn, professor of business administration, Stockholm (Sweden) School of Economics, is serving as visiting assistant professor in the Institute of Public Administration. He will be here until the end of June.

Dr. Richard A. DiCuspa, associate professor of Immunology, University of Connecticut, is currently serving as visiting professor of entomology. He will remain until the end of June. He has been at Connecticut since 1966 and previously was with the Bureau of Commercial Fisheries, U.S. Dept. of the Interior, and he has taught at Rutgers University.

Honors

Dr. Lowell L. Wilson, professor of animal science, has received a certificate of merit from the American Forage and Grassland Council, one of ten U.S. scientists to receive the award. He has conducted much of his work in animal science in cooperation with agronomists and agricultural engineers on research projects dealing with pastures, grass and corn silage, and hay feeding of beef cattle and sheep.

RESERVE LISTS

Reserve reading lists for Summer Term 1975 should be submitted to the Main Undergraduate Library on or before April 24, to allow ample time for processing. Lists received after this deadline will be accepted only if material requested is not needed until the beginning of the third week of classes. All reserve lists will be processed shortly in order received.

Only required readings which will circulate either for a two hour period or for an overnight loan period, will be placed on reserve.

Typewritten lists should be submitted on reserve forms which are available by mail or in person from the Undergraduate Library, W11 Patten Library.

LA VIE SEKS DIRECTORS

La Vie, the student yearbook, is seeking interested faculty or staff members with backgrounds in journalism, photography, art, marketing or other fields related to publication, to serve on its Board of Directors. Anyone who is interested should contact John Black, 105 Old Main, 685-6516, by April 25.

Staff vacancies

University faculty or staff members who are interested in any of the staff exempt or staff consultant jobs listed below may apply by calling Employment Division, 685-1387 (Room Line 475-1387) or contact the person in the vacancy. Applications will be accepted until 4 p.m.

THURSDAY, APRIL 24, 1975

SENIOR RESEARCH ASST. COLLEGE OF

SENIOR RESEARCH ASST. COLLEGE OF

Supervise employees in seedbed preparation, fertilization, seeding, spraying, maintenance work on forage crop and pasture experiments. Instruct and assist graduate students in the practical aspects of forage crop harvesting, seeding, fertilization, seedbed preparation, etc. Design and establish field experiments to determine the effect of management variables on the performance of forage and pasture species and livestock. Bachelor's degree or equivalent in animal science or agronomy with minor or strong interest in the related area, plus one to two years experience, or an associate degree in animal science or agronomy with two to four years of directly related experience.

In addition to the above vacancies, there are positions that frequently are available because of the number of employees in them. They are listed below and will not be listed on an individual basis. Application for such positions may be made at any time and you are welcome to make inquiries any time now to the Employment Division for future consideration when vacancies occur. These positions are:

Registered Nurse, Practical Nurse, X-Ray Technologist, Medical Technologist, Computer Technician—HERSHEY MEDICAL CENTER.

In Writing

Dr. Mark R. Peattie, assistant professor of history, is the author of a new book, *Hiwara Kanji and Japan's Confrontation with West*, published by the Princeton University Press. In the book Dr. Peattie examines the career and thought of Gen. Ishiwara, one of the most brilliant strategists of the Imperial Japanese Army. He describes Ishiwara's central role in the three major crises of the 1930s — the Conquest of Manchuria, the Young Officer's Rebellion, and the China War — and explores Ishiwara's influential ideas concerning the preparation of Japan for total war with the United States. Dr. Peattie focuses on Ishiwara, the thinker, and his perceptions on the nature of war and Japan's place in Asia. Through analyses of Ishiwara's life and thought, the book pursues a number of major problems in pre-war Japanese history.

Hassler to serve at Staff College

Dr. Warren W. Hassler, Jr., professor of American history, will serve as a visiting professor in the Chair of Military History at the U.S. Army Command and General Staff College, Combined Arms Center, Fort Leavenworth, Kansas, for a year, beginning July 1. In the post, he will assist in upgrading the overall quality of the educational program at the Staff College. His responsibilities will include advising the commandant and faculty on educational matters related to military history, designing and teaching graduate courses and seminars, and supervising these. He will also aid in further developing evaluation procedures and curriculum, and he will direct the research in military history that is conducted by professional historians in support of the Department of Tactics and Strategy.

Two lectures on Sigma Xi program

Two lectures will be sponsored by the Society of Sigma Xi, the scientific research society of North America, as part of the Spring Lecture Series open to the public.

The first, on Thursday, May 1, will have Dr. Jean Carew, Harvard University, speaking on "Effects of Environments on Intellectual Development of Young Children." On Monday, May 12, Dr. Harriet A. Muckerman, Columbia University, will speak on "Age, Aging, and Age Stratification in Science."

Matson to lecture

Dr. Frederick R. Matson, Research Professor of Archaeology in the Department of Anthropology, recently elected president of the Archaeological Institute of America, will address the Central Pennsylvania chapter of the A.I.A. Tuesday, April 22, at 7:30 p.m. in Room 112 Kern Graduate Building. He will speak on "A Ceramic Archaeologist at Work in the Near East." The slide-illustrated talk, open to the public, will be followed by a public reception for Dr. Matson in the Nittany Lion Inn.



On the Artists Series today through Saturday, is the Mertha Gerhart Open House. Tickets for the performances at the HUG and at University Auditorium. All performances are at 8:30 p.m. in University Auditorium.

Ask nominations for Barash award

Nominations will be accepted until April 25 for the first Sy Barash Award, to be presented this spring to a member of the faculty, staff or student body of the University at University Park who has contributed most, apart from regular duties, to human causes, public service activities and organizations, or the welfare of fellow humans.

The Nominating Committee, chaired by Della Durant, includes Samuel Blazer, Jay Claster, Edward Ellis, David Ladd, Wendy Morris, Dr. Doris Seward, and Henry Yeaghy, Jr. Nominations may be sent to Miss Durant at Room 109 High Building, Barash, a 1950 graduate of Penn State, was a State College businessman who himself was very active in humanitarian and community and campus activities. The award was created by his family, and it is to be an annual award, carrying a stipend of \$1,000.

Ditch digging to aid utilities

The digging of a series of ditches on the University campus for the installation of a central monitoring and control system that will improve the reliability of the utilities systems and make possible reduction in the use of energy is underway or will be shortly.

The project, financed by the General State Authority, was authorized by the Legislature in 1970, following a request made in 1968 after several years of planning. The construction allocation for the entire project, designated as extension of utilities, was \$4,584,000, and included in the total program were the conversion of the boiler plant to make possible the use of oil and gas, in addition to the existing coal-burning capability. Oil storage was added and coal handling was improved. This phase of the program has been completed.

The control and monitoring system is basically a series of approximately 2,400 sensing points tied together by hard wire to a central processing computer which will gather and process data and print out

instructions, work orders, and required changes in the operating system.

To allow wire to be pulled from the central computer to each of the sensing points, the University will make use of existing utility tunnels and conduits where possible. The conduits will also provide for the expansion of the existing telephone and electric conduit system.

In addition to the existing tunnels, a number of ditches, 2½ ft. wide and 3 to 5 ft. in depth, will be dug in which conduits encased in concrete will be laid. The ditches will be closed as rapidly as possible after the conduit is installed, then seeded and landscaped.

It is pointed out that plans for the ditch locations have been carefully drawn by landscape personnel of the Office of Physical Plant to insure that trees will not be damaged and that disturbance to the existing landscape will be held to a minimum.

G. M. McCrossin, Inc., of Bellefonte, holds the General State Authority contract for the project.

Funding Opportunities

For procedural and funding source information, call 685-1372.

(1745) With the broad field of "original research of international import," the NATO Committee on Scientific Cooperation will give priority to: (1) environmental impacts related to energy; (2) solid waste disposal and recycling; (3) care and well being of older citizens; and (4) noise pollution. Committee fellowships range from 6 to 12 months, and pay up to 200,000 Belgian Francs in the currency of the host country. Applicants must have bachelor's degree and usually must have completed graduate studies. Applications should be sent to the NATO Committee on Challenges in Modern Science, c/o NSF, Div. of Higher Education in Science, Washington, D.C. 20550.

(17470) The systematic study of population policy issues of social scientists is jointly supported by the Ford and Rockefeller foundations to better understand the relationship between population variables and law, economic policy, and social and political change. Nearly 100 awards have been made since 1971. Thirty or so additional projects will be supported this year. Total program funding will be about \$650,000. (Ref. Ford Foundation Letter, 4/1/75).

(17411) Proposed rules for a Clinical Cancer Education Program have been issued by the National Cancer Institute. The Institute wishes to encourage the development of interdisciplinary educational programs aimed at achieving optimal care of cancer patients and wants to help health profession students to acquire basic knowledge of neoplastic diseases and the principles, measures and diagnostic and therapeutic skills necessary to the provision of such care. Eligible applicants include schools of medicine, public health, and allied teaching hospitals. NIH information has been distributed. (Ref. 40FR-12999-13001, 3/24/75).

(17412) Matching funds for public programs in the humanities have been made available by the Public Committee for the Humanities in Pennsylvania (PCHP) which has \$530,000 remaining to be awarded in FY 1975. The opportunity deadlines for funds are May 5 and August 15, 1975. Community-oriented programs which apply to the humanities problems of contemporary life will be considered. Some grants in amounts less than \$10,000 may be made by matching local "seed money" services. (This information has been distributed.) The program contact is Robert M. Giannetti, Executive Director, PCHP, Duquesne University, Lewisburg, Pa. 17837 (717-624-1333).

(1751-1) The National Institutes of Health (NIH) has several programs for which the next three deadline dates are June 1, Oct. 1 and Feb. 1. The programs are: Research Project Grants — contact Dr. Luis Angelone (201-455-7747); General Clinical Research Centers — Dr. William R. Oe Cesare (201-455-6503); Biotechnology Resource Grants — Dr. William Baker (201-455-5411); Projects to Support Animal Research and Research Manpower Development Program — Dr. Charles McPherson (201-455-5451); Nutrition Research Grants — Dr. Paul O. Frazer (201-455-7605); Clinical Cancer Education Grants — (NCI) Dr. Margaret A. Ed-

wards (201-455-7625); National Career Development Program — (NIOD) Dr. Thomas C. O'Brien (404-7684); Biomedical Publications Grants — (NLM) Dr. Jeanne L. Grand (201-455-6131); Resource Project Grants — (National Library of Medicine) Dr. Robert L. Taylor (201-455-6131); Research Project, Training Support, and Scientific Grants — (NLM) Dr. Roger Oshen (201-455-6131). Contact address for each of above is also available. (Ref. OIP deadline dates).

(1752) The National Institutes of Health has emphasized five programs for which funding is anticipated: (1) Research Career Development Program in which animal-research related areas including classroom management, use of research Project, Training Support, and Scientific Grants — (NLM) Dr. Roger Oshen (201-455-6131). Contact address for each of above is also available. (Ref. OIP deadline dates).

(1753) Regulations and a deadline date of May 9, 1975 have been issued by the Office of Education for its Right to Read Program. Upgrading the skills of teacher, paraprofessionals, administrators, and librarians is paramount in specific areas including classroom management, use of diagnostic and prescriptive reading materials, and continuous measurements of achievement. This information has been distributed. (Ref. 40FR-14726-64, 4/27/75) (GPOA 13-5323).

(1754) OE has announced a May 9, 1975 application closing date for its demonstration centers for extension and continuing education programs. Grants will be made, one grant each for: planned, a state-wide center, a center serving a sub-state or interstate region, and planning for a community or neighborhood center. This information has been distributed. (Ref. 40FR-14349-50, 3/31/75) (GPOA 13-5376).

(1755) Proposals for OE Educational Television Projects have a May 19, 1975 closing date. Program objectives are to assist in the process of eliminating reading, or other learning, ability gaps. Isolating and aiding school children in overcoming educational disadvantages of minority group isolation through multiethnic children's activities. This information has been distributed. (Ref. 40FR-14349-50, 3/31/75) (GPOA 13-5376).

(1756) Regulations for OE Research and Training, Exemplary and Curriculum Development programs in vocational education have been issued for FY 1975. Three components make up the priority area: guidance service, occupational preparation through coordinated school programs, and articulation of the cluster programs with ongoing programs. This information has been distributed. (Ref. 40FR-14349-51, 3/31/75) (GPOA 13-5376).

(1757) Funding opportunities for resource information for research, instruction, and continuing education projects is available through M. Kohler, Research Information Service, 685-3732. Research information covers Federal and state agencies, foundations and industry. Some of this information is released through this column, but is available including a searching process to be determined funding sources for project ideas. Agency contact information is also available and recent media events in the proposal process. Call (303-126-6, 116-4, 109-5, 603-79-2).

University Park Calendar

April 17-27, 1975

Special Events

Thursday, Apr. 17 — FSHE 410 dinner, "Japan," 5:30 p.m., Maple Room, Human Development. Reservations required, 865-7426.

Thursday, Apr. 17 — Food Science program, film, "Food: Green Growth and Profits" (ABC News Close Up), 2:20 and 7:30 p.m., Room 117 Borland Lab. Discussions follow.

Thursday-Saturday, Apr. 17-19 — Artists Series, Martha Graham Dance Company, 8:30 p.m., University Auditorium.

Thursday-Saturday, Apr. 17-19 — Penn State Aquatic Institute, Natarium.

Thursday-Saturday, Apr. 17-19 — University Theatre, "Jim Dandy," 8 p.m., University Theatre.

Thursday-Friday, Apr. 17-18 — Phi Delta Kappa and Pennsylvania Educational Research Association Conference, Conference Center.

Friday-Saturday, Apr. 18-19 — Dedication of Grace M. Henderson Bldg., various tours, three colloquiums Friday at 8 p.m., and talk by Virginia Y. Trotter, assistant secretary of Education, HEW, on "Voices of the Future" at 3 p.m. in Room S209 Human Development. Dedication ceremony 10 a.m. Saturday morning, in plaza.

Seminars

Thursday, Apr. 17 — Plant Pathology, 8 p.m., Room 213 Buckhout. Dr. John M. Sauer, Virginia Polytechnic Institute and State University, on "Annois Rot Rot of Lobloby Pine," and "Air Pollution Effects on Forest Tree Growth."

Thursday, Apr. 17 — Transportation Institute, 2:20 p.m., Room 169 Materials Research Lab. Charles Hoppe, U.S. Railway Association, on "USRA's Planning for Passenger Service."

Thursday, Apr. 17 — Physics and Nuclear Engineering joint colloquium, 3:35 p.m., Room 119 Osmond. Alvin M. Weinberg, Director, Energy Research and Development Office, Washington, D.C., on "Is Nuclear Energy Acceptable?"

Thursday, Apr. 17 — Agronomy, 8:30 a.m., Room 111 Tyson. Joe Smith on "A Source of Male Sterility in Matting Barley."

Thursday, Apr. 17 — Chemistry, 12:45 p.m., Room 333 Whitmore. J. Kochi, Indiana University.

Thursday, Apr. 17 — Microbiology, 4 p.m., Room 52 Frear. Dr. W. Munyon, Department of Medical Viral Oncology, Roswell Park Memorial Institute, Buffalo, on "Expression of the Herpes Genome in Transformed L Cells," and at 1 p.m., Room 52 Frear. Dr. Mary F. Notter on "Herpes Virus Non Virion Antigen: Diagnostic Significance."

Thursday, Apr. 17 — Air Pollution Control, 2:20 p.m., Room 145 Fenske. Margery Walker, U.S. Environmental Protection Agency, Boston, on "What It Is Like Working for a Federal Air Pollution Control Agency."

Thursday, Apr. 17 — Mathematics, 4 p.m., Room 115 McAllister. P. Enflo on Analysis.

Thursday, Apr. 17 — Ceramic Science, 11 a.m., Room 301 Mineral Industries. Dr. J. O. Mackenzie, U. of California at Los Angeles, on "Glass and Ceramic Science at U.C.L.A."

Thursday, Apr. 17 — Anthropology, 3:30 p.m., Room 107 Social Science. Dr. Edward E. Hunt and Geza Teleki on "The Demography of Gombe Chimpanzees: Its Relevance to the Demographic Evolution of Man."

Thursday, Apr. 17 — Statistics, 4 p.m., Room 69 Willard. Professor Paul W. Holland, National Bureau for Economic Research, Cambridge, Mass., on "A Monte Carlo Study of Two Robust Alternatives to Least Squares Regression Estimation."

Friday, Apr. 18 — Ecology, 3:55 p.m., Room 101 Kern. Dr. Robert May, Princeton University, on "Biological Populations with Non-Overlapping Generations; Stable Cycles, Chaos."

Friday, Apr. 18 — Vocational Education, 1 p.m., Room 101 Kern. John F. Jennings, counselor and staff director of the Subcommittee on Elementary, Secondary and Vocational Education of the U.S. House Representatives, on "Contemporary Design in the Legislation of Vocational Education."

Monday, Apr. 21 — Entomology, 4 p.m., Room 204 Patterson. David Shetlar on "Systematics of the Ascalaphidae."

Friday, Apr. 18 — Erikson Fine Prints of Baltimore exhibition and sale of original graphics, 10 a.m.-5 p.m., HUB.

Friday, Apr. 18 — Sharon Brown, piano recital, 8:30 p.m., Music Bldg. recital hall.

Friday, Apr. 18 — Commonsplace Coffeehouse, 8 p.m., Room 112 Kern.

Friday, Apr. 18 — Sports: Men's tennis, vs. Bloomsburg, 2 p.m.

Friday, Apr. 18 — Black Arts Festival, student talent show, 7 p.m., assembly room, Cultural Center.

Saturday, Apr. 19 — Black Arts Festival, carnival for children, 1:30-3:30 p.m. Caribbean Festival featuring music, food, and the folkways of life in the West Indies, 7 p.m., Cultural Center.

Saturday, Apr. 19 — Sports: Men's track, vs. Kent State, 1:30 p.m. Women's lacrosse, vs. Cornell, 10 a.m. Women's softball, vs. Ithaca, 1 p.m. Women's track vs. Pitt and Western Pa. Track Club. Women's softball, vs. Ithaca, 1 p.m.

Sunday, Apr. 20 — Kathryn Cowdrick, vocal recital, 3:30 p.m., Music Bldg. recital hall.

Sunday, Apr. 20 — Chapel Service, 11 a.m., Music Bldg. recital hall. Dr. Norman R. Dixon, professor of higher education, University of Pittsburgh.

Monday, Apr. 21 — New Communities, Architecture, 2 p.m., Room 322 Sackett. Roger Ralph, Chicago Association, Columbia, Md., on "Innovations in Community Management and Governance of New Towns."

Monday, Apr. 21 — Horticulture, 12:45 p.m., Room 10 Tyson. Katharine M. Browne, on "Orchid Radiant Energy Transfer."

Monday, Apr. 21 — Genetics, 3:55 p.m., Room 111 Tyson. S. F. Sheshtakov, Lomonosov Moscow State University, on "Mutagenesis and Recombination in Blue-Green Algae."

Monday, Apr. 21 — Physical Chemistry, 4 p.m., Room 333 Whitmore. J. W. Weare, University of California at San Diego, on "Helium Beams as a Probe."

Tuesday, Apr. 22 — Engineering Science and Mechanics, 4 p.m., Room 215 Hammond. Dr. R. A. Queeney on "Strength and Fracture Resistance of Metal-Infused Porous Ceramics."

Tuesday, Apr. 22 — Chemical Engineering, 3:45 p.m., Room 140 Fenske. A. H. Weiss, Worcester Polytechnic Institute, on "Catalytic Hydrogenation of Cellulose to Sugars."

Tuesday, Apr. 22 — Plant Pathology, 9:45 a.m., Room 213 Buckhout. Robert Kuhl on "Energy and Agriculture."

Tuesday, Apr. 22 — Geosciences, 4 p.m., Room 26 Milner. Science, Robert B. Hargraves, Princeton University, on "Applications of Paleomagnetism to Geological Sciences."

Tuesday, Apr. 22 — Electrical Engineering, 2:20 p.m., Room 329 Electrical Engineering East. Dr. Roy Russo, I.B.M., on "Design Automation: Using Digital Computers to Design Digital Computers."

Meetings

Thursday, Apr. 17 — Faculty women of College of Education, coffee, 10 a.m., Room 101 Kern. Speaker, 11 a.m., Room 112 Kern.

Friday, Apr. 18 — Engineering Acoustics and the Central Pennsylvania chapter, Acoustical Society of America, 3:45 p.m., Room 101 Kern. Deikel, West, Bell Laboratories Acoustical and Behavioral Research Center, on "Electret Transducers."

Friday, Apr. 18 — AIAA Central Pennsylvania Section, 4 p.m., Room 232 Hammond. Professor Ilro Tani, Professor Emeritus, University of Tokyo, on "Some Application of Weakly Nonlinear Stability Theory to the Problems of Boundary-Layer Transition."

Monday, Apr. 21 — USG Senate, 7 p.m., HUB assembly room.

Tuesday, Apr. 22 — College of Education faculty luncheon, 12:30 p.m., Room 101 Kern.

Tuesday, Apr. 22 — ARHS, 7 p.m., Room 203 HUB.

Tuesday, Apr. 22 — University Senate Council, 2:10 p.m., Room 101 Kern.

Tuesday, Apr. 22 — Undergraduate Philosophy Club, 7:30 p.m., Room 101 Electrical Engineering East. Alfonso Gomez-Lobo, Chile, on "Frege: A New Aristotelian — A Modern Approach to Language and Reality." Open to the public.

Sunday, Apr. 20 — Sports: Men's tennis, vs. East Stroudsburg, 2 p.m.

Sunday, Apr. 20 — Black Arts Festival, gospel concert, 3 p.m., fashion show, 7 p.m., Schwab.

Monday, Apr. 21 — Gregory Donovetsky, oboe recital 8:30 p.m., Music Bldg. recital hall.

Monday, Apr. 21 — Black Arts Festival, communication workshop featuring Stan Latham, 7 p.m., Black Cultural Center.

Tuesday, Apr. 22 — Black Arts Festival, Vinie Burrows will perform in her one woman show "Walk Together Children," 8 p.m., Room 105 Forum.

Tuesday-Saturday, Apr. 22-26 — University Theatre, "Jim Dandy," 8 p.m., Pavilion Theatre.

Tuesday, Apr. 22 — Sports: Men's tennis, vs. Pennsylvania, 3 p.m.

Tuesday, Apr. 22 — Chaim Potok, author, for Hillel, 8 p.m., HUB ballroom.

Tuesday, Apr. 22 — Women's Faculty Club spring fashion luncheon, 11:30 a.m., HUB ballroom.

Wednesday, Apr. 23 — "Noondays" devotional service, 12 noon, Eisenhower Chapel. Rev. Irmagot Soltau.

Wednesday, Apr. 23 — Thalia Trio, 8:30 p.m., Music Bldg. recital hall. Guest, Dorothy Pixley Rothschild.

Tuesday, Apr. 22 — Physiology, 3:45 p.m., Room 111 Life Science. D. Jensen, Graduate Student presentation.

Tuesday, Apr. 22 — Aerospace Engineering, 4 p.m., Room 322 Hammond. Donald S. Weir on "Thermodynamic Effects and Science in Design of Jet Cavity Flows."

Tuesday, Apr. 22 — Solid Waste Management, 2:20 p.m., Room 140 Fenske. Ronald D. Neufeld, civil engineering, University of Pittsburgh, on "Utilization of Biological Sludges for the Removal and Possible Reclamation of Heavy Metals from Wastewater."

Tuesday, Apr. 22 — Solid State, 1 p.m., Room 339 Davey. Dr. George Lang, physics, of "Molecular and Crystallographic Studies of Oxygen Binding in Hemoglobin."

Wednesday, Apr. 23 — Remote Sensing, 2:30 p.m., Room 225 Electrical Engineering West. Eva Tucker, geology, on "Determination of Water Quality and Erosion around Presque Isle, Using Remote Sensing Techniques."

Wednesday, Apr. 23 — Biochemistry, 4 p.m., Room 101 Altohouse. Dr. Thomas J. Kindl, Rockefeller University, on "Variable Regions of Rabbit Antibodies: Structure and Inheritance."

Thursday, Apr. 24 — Chemistry, 12:45 p.m., Room 333 Whitmore. John A. Osborn, Harvard University, on "Mechanistic Studies in Organometallic Chemistry."

Thursday, Apr. 24 — Physics, 3:35 p.m., Room 117 Osmond. David Sealer, Bell Telephone Laboratories, Murray Hill, N.J., on "Chaos Coupling."

Thursday, Apr. 24 — Agronomy, 8:30 a.m., Room 111 Tyson. Roy Sjoblad on

Tuesday, Apr. 22 — Central Pennsylvania chapter, Archaeological Institute of America, 7:30 p.m., Room 112 Kern. Dr. Frederick R. Matson, research professor of archaeology and national president of the A.I.A., on "A Ceramic Archaeologist at Work in the Near East." Reception follows at 9 p.m., Nittany Lion Inn.

Wednesday, Apr. 23 — Penn State Mining Engineering Society, 7:30 p.m., Room 203 HUB. Mineral Industries, H. E. Mauck, Consolidated Coal Co., on "Longwall Mining and the Future of the U.S. Coal Industry."

Lecture

Thursday, Apr. 17 — Dr. John Dewdney, University of New South Wales, 11:10 a.m., Room S108 Human Development, on "Australia's Health Services — Non-Specialized Medicine," sponsored by Health Planning and Administration.

Thursday, Apr. 17 — Richard Holmes, Country Officer for the People's Republic of China and Hong Kong Affairs, U.S. Dept. of State, on "U.S.-China Delicate: Prospects and Problems," 8 p.m., HUB assembly room, sponsored by East Asian Studies Committee. Also, in afternoon, as part of an "Open Arts Career Day program" on "Career Opportunities in the Foreign Service."

Thursday, Apr. 17 — Dotterer Lecture, 8 p.m., Room 112 Kern. John N. Findlay, professor of philosophy, Boston Univer-

Wednesday, Apr. 23 — Sports: Men's baseball, vs. West Virginia, 3 p.m. Women's softball, vs. East Stroudsburg, 3 p.m., Room 112 Kern.

Wednesday, Apr. 23 — Dairy Princess Contest, 7:30 p.m., Room 117 Borland.

Thursday-Friday, Apr. 24-25 — "Antonia," film about composer Antonia Bruckner, 8 p.m., Room 112 Kern.

Thursday-Saturday, Apr. 24-26 — Student Environmental Conference, sponsored by Eco-Action, sessions in HUB assembly room and HUB reading room. Thursday, 7:10 p.m., registration and reception, reading room. Friday, sessions morning and afternoon; keynote address, 8 p.m., HUB ballroom. Walter Hinkel, former Secretary of the Interior, on "Our Social Values and the Environment — A Conflict?" Saturday sessions, morning and afternoon.

Friday, Apr. 25 — Folk and Square Dance Roundup, 7:30 p.m., White Bldg. north gym.

Friday, Apr. 25 — Commonsplace Coffeehouse, 8 p.m., Room 112 Kern.

Saturday, Apr. 26 — Penn State Singers concert, 8:30 p.m., Schwab.

Saturday, Apr. 26 — Sports: Men's baseball, vs. Pittsburgh, 2 p.m. Women's softball, vs. Brockport, 1 p.m.

"Transformation of Aromatic Compounds by Fungal Enzymes."

Thursday, Apr. 24 — Engineering Acoustics, 4 p.m., Room 166 Willard. John B. Ochs on "Transmissibility Across Simply Supported, Rectangular, Thin Plates with Localized or Rigid Supports."

Thursday, Apr. 24 — Transportation Institute, 2:20 p.m., Room 189 Materials Research Lab. Irving Hand, state and regional planning, on "Land Use Controls and Travel Demand."

Thursday, Apr. 24 — Air Pollution Control, 2:20 p.m., Room 145 Fenske. Frank Schmelzer, RAPS, Creve Coeur, Missouri, on "Regional Air Pollution Study at St. Louis."

Thursday, Apr. 24 — Biophysics, 4 p.m., Room 617 Life Science I. S. V. Sheshtakov, Moscow State University, on "DNA Repair in Blue-Green Algae."

Thursday, Apr. 24 — Mathematics, 4 p.m., Room 115 McAllister. Maurice Auslander on Algebra.

Thursday, Apr. 24 — Statistics, 4 p.m., Room 60 Willard. David Harville, Wright-Patterson Air Force Base, on "Allocation of Experimental Units Using Observed Covariate Values."

Friday, Apr. 25 — Analytical Chemistry, 2:30 p.m., Room 333 Whitmore. Aubrey L. McIntosh on "Lasers in Analytical Chemistry."

Friday, Apr. 25 — Microbiology, 4 p.m., Room 52 Frear. Dr. F. O'Neill, University of Utah Medical School, on "Control of Nuclear Division in Normal, Neoplastic and Virus Transformed Cells."

ity, on "The Good, the Mind, and the Soul in Platonic Teaching."

Thursday-Wednesday, Apr. 22-23 — Dr. Ivan A. Schmalzer, graduate research professor of Latin American Literature, University of Florida, Tuesday, 8 p.m., 111 Chambers, on "Cuban Society Under Castro," sponsored by Latin American Studies Committee. Wednesday, 8 p.m., Room 101 Kern, on "Three Cuban Concepts of the Baroque," sponsored by the Dept. of Spanish, Italian and Portuguese.

Wednesday, Apr. 23 — Dr. James Lord, art history, on "Toucan and the Theme The Death of the Hero," 8 p.m., HUB assembly room.

Thursday, Apr. 24 — William E. Barksdale, Vice President of Cook Industries, Inc., Memphis, on "Changes in the World Food Complex."

Films

Thursday-Sunday, Apr. 17-20 — Centre Cinema, "Last Tango in Paris," 7:30 and 10 p.m., Thursday Simmons lounge.

Friday-Sunday, Apr. 17-20 — PSORML film, "Fantastic Planet," 7:30 and 9:30 p.m., Room 105 Forum.

Monday, Apr. 21 — Film Festival, "The Sporting Life in Silent Comedy," 7:30 and 9:30 p.m., Keller Bldg. M. Ellis Grove, associate professor of theatre arts and assistant director of general education in the arts, commentator.

Recital at Hazelton



At Hazelton Campus Saturday, April 19, Joseph Jumper, assistant professor of music (fourth from left) will sing works by Bach, Brahms, Moussorsky, Morley, Dowland and Hovhanness, accompanied by M. L. Shevel, assistant professor of physics. An ensemble group, playing a Bach work, will include Lucy Ann Santanaro, Jay Breckinridge (instructor of English), Chris Slovic, and Jarry Covert, assistant professor of biology, left to right.

Music event for week listed

Thalia trio

Guest violinist Dorothy Pixley Rothschild will join the Thalia Trio in a concert of music by women composers at 8:30 p.m. Wednesday, April 23, in the Music Bldg. recital hall at the University.

Miss Pixley will be at the University under

Singers concert

Madrigals, motets, and folk songs are among a variety of musical forms to be represented by works in a concert by the Penn State Singers at 8:30 p.m. Saturday, April 26, in Schwab Auditorium.

Directed by Raymond Brown, the 35-voice Singers will sing motets by Mendelssohn and Bach, British folk songs by Vaughan Williams, Holst and Williams, and the duet from Bach's "Cantata #28." Four settings of the Ave Maria by Kodaly, Bruckner, de Victoria, and Verdi will be performed, and madrigals by six English composers, including Purcell and Morley. Songs by the latter two composers featuring soloists Debra Fatula and Julia McKinstry will complete the program.

No tickets will be required for the free concert. Doors will open at 8:00 p.m.



Dorothy Pixley Rothschild who will perform as guest violinist with the Thalia Trio Wednesday, April 23.

the sponsorship of the Institute for the Arts and Humanistic Studies in conjunction with the course "Women and Creativity in the Arts."

The music to be performed will include works by Viollet Arhart, Cecile Chaminade, and Gitta Steiner.

The Thalia Trio is composed of Robert Batsley, pianist, Joanne Feldman, violinist, and Leonard Feldman, cellist.

Since returning to New York from Denmark in 1964, Miss Pixley has been a member of the American Symphony Orchestra and has performed as soloist in many other programs.

Altoona arts festival expands

The Altoona Campus is cooperating with the Blair County Arts Foundation, Pennsylvania Council on the Arts, National Endowment for the Arts and other local groups in presenting the 1975 Arts Festival show May 9-11, and this year, for the first time, the show will include entries from all across the state. Categories for competition include line arts, crafts, photography, and film video. Entries are being solicited, and entry blanks and more information may be obtained from the Arts '75 office in

the Mishler Theatre, 1208 Twelfth Ave., Altoona, 814-944-0434. A \$1,000 cash prize will be awarded in each category and some purchase awards will be made. Work must be hand-delivered to the Student-Faculty Commons at the Altoona Campus on May 4 between noon and 5 p.m. and May 5 between noon and 8 p.m. A fee of \$4 will be charged for each group of two entries (maximum permitted per person). There are both amateur and professional categories in the juried areas.

The program will include sonatas by Gordon Jacobs, Tedesco, and Handel, as well as Schumann's "Three Romances, Op. 94."

Exhibits at University Park

Museum of Art — Works by Will Barnett, Gallery A, through April 20. Selections from the Permanent Collection, Gallery B, Lee Krasner, Collages and Works on Paper, Gallery C.

Palitte Library — Photographs, "Faces of Prague," by Cynthia Begnal, through April 18.

Chambers Gallery — Brent Wilson, Leon Allers, art education, Painting and Sculpture, until April 25. Undergraduate Exhibition, all media, opening April 25.

Photography Gallery, 212A Arts Bldg. — Walker Evans Portfolio.

HUB Gallery — "French Cheeses and Wine," French Embassy Exhibit.

Pollock Lounge — Design Class Projects, Campaign and Slogan Buttons, opening April 24.

Hammond Gallery — "Black and White Progression Series," paintings by David Rubello, opening April 20, 2-6 p.m., daily.

KERN Gallery — Paintings, sculpture and ceramics by Zelko Kujundzic, associate professor of art, Fayette Campus.



Zelko Kujundzic, associate professor of art at Fayette Campus, whose exhibit of paintings, sculpture, and ceramics will open at Kern Gallery April 21, continuing through May 3.

News in brief

HUNGER DAY

An ecumenical service in observance of World Hunger Day will be held in the Helen Eakin Eisenhower Chapel today (Thursday, April 17) at 4 p.m., with the basic purpose of raising the general level of consciousness of the problem of hunger in the world.

Money received through voluntary contributions during the service will be turned over to UNICEF.

Dr. Donald Crider, assistant professor of rural sociology, will be the speaker, talking on world hunger and ecumenical service. Persons of five different religious faiths — Christian, Jew, Moslem, Buddhist, and Hindu — will read scripture passages relative to the common humanity of all religions.

Citizens Action Committee, a recognized campus group, is sponsoring the service.

ENGINEERING EDUCATION

Tickets for the luncheon meeting of the local branch of A.S.E.E. to be held Tuesday, April 29, may be obtained from Dr. John Samuels, 207 Hammond Bldg. or by phoning 865-7601, Ext. 28. The luncheon, to be held in HUB dining room "A," at noon, will feature as speaker Charles W. Yoder, who will discuss "Self Service and Society."

IN ORCHID SHOW

John E. Haag, associate professor of English, and Dr. Harrison T. Meserole, professor of English, will be active participants in the annual Orchid Show to be held Saturday, April 26, at the Leitzinger auto showroom at W. College Ave. and Whitehall Rd. Haag is show chairman, Meserole in charge of the sales and information table. The show will be open to the public Saturday from 1 to 10 p.m. and Sunday from 10 a.m. to 6 p.m.

FSHA DINNERS

Three FSHA 410 special dinners upcoming within the week will feature Japanese, Hawaiian, and Montreal, Canada, cuisine.

Today (April 17) at 5:30 p.m. in the Maple Room (Human Development Bldg.), the Japanese dinner will feature rice, clear soup, cucumber stuffed with crabmeat, fried shrimp, broiled chicken, beef with vegetables, pineapple boat, and green tea. The charge is \$4.75 and tax.

The Hawaiian dinner Wednesday, April 23, will be a buffet dinner with food, service, and customs of the Hawaiian luau. Among the foods will be flank steak with pineapple, roast pig, chicken, pork, rice, lobster, and baked bananas. Cost is \$5.25 plus tax.

Thursday, April 24, the 410 class will feature Montreal, the Island City of the St. Lawrence, and the menu will include bread and apple butter, Canadian asparagus soup, venison meat loaf, salmon steak, hush puppies, cream sauce, spiced carrots, potatoes and turnips, endive salad, apple dumplings with maple syrup. The charge is \$4.50 with tax.

More information and reservations may be obtained by calling 865-7441.

ORCHESTRIS CONCERT

Orchestris will present its annual Spring Dance Concert Thursday, Friday and Saturday, May 1, 2 and 3 at 8:30 p.m. with a 2:30 p.m. performance also on Saturday, in White Bldg. Dance Theatre.

Tickets for the four performances will go on sale April 21 at Room 105 White, and they will be available at the door before the performances. Tickets are \$1.50 for general admission and 50 cents for students.

The concert, under the artistic direction of Patricia Heigel Tanner, is titled "Opus 1975: An Evening of Dance." In all, ten dances will be performed, each representing the choreographer's preference in style.

SIGMA XI BANQUET

Sigma Xi, the honorary society for men and women in the natural sciences, will hold its initiation banquet Thursday, April 24, at 6:30 p.m. in the Nittany Lion Inn. The banquet speaker will be Dr. Raymond J. Seeger, director of the National Bicentennial Program for Sciences for Sigma Xi. He will speak on "The Humanism of Science."

SHOW DAY

Dr. Donald V. Josephson, head of the Dairy Science Department for 27 years, will have the 50th Annual Dairy Exposition dedicated to him. A major feature of the Exposition, which includes a banquet May 3 when Dr. Josephson will be honored, is "Show Day," in which a variety of contests is held, including titling and showing events and special competitions such as milk "chugging," and milking contests. Activities will be held at the Dairy Production Center.

PHI PSI BEER RACE

Entries are still being accepted for the annual Phi Psi Beer Race which will be run Saturday, April 26, starting from the Phi Kappa Psi fraternity house, 403 Locust Lane, at 2 p.m., and cover a 1.1 mile course through town, with stops at six bars where each participant drinks a beer or soft drink. Proceeds from the entries and from other contributions will go to the Centre County Day Care Center.

SONNEBORN VISITING

Dr. T. M. Sonneborn, noted geneticist and Distinguished Professor of Indiana University, will give a public lecture Monday, April 28, on "Aspects of the Biology of Aging" and will give a seminar talk Tuesday, April 29 on the subject, "Is DNA ALL?" The first talk is at 8 p.m. in Kern Auditorium, the second at 2:30 p.m. in Room 8 Life Science I.

ELM SPRAYING

The yearly spraying of American Elm Trees for control of Dutch Elm disease began this week and will continue probably through a two-week period, depending greatly on weather conditions. Spray that is deposited on leaves should be removed as soon as possible with detergent soap and water; the longer you wait, the more difficult to remove it. The operation will be carried on largely in the evening or central campus, although spraying of areas removed from congestion will be done in daytime. Signs will be posted early in the day in the general areas where spraying will be done so that drivers will have the option of parking their cars in one of the Open Areas if they think their cars will be in the path of the overspray. The spray is necessary to help protect these beautiful trees which add much to campus beauty, and which help to shade roads and buildings in hot summer months.

REGATTA BENEFIT

Staff members, students and faculty are eligible to take part in a regatta at Stone Valley, Sunday, April 27, which is being staged by Beta Sigma Beta fraternity and Alpha Chi Omega sorority to benefit the American Cancer Society, in the name of Sy Barash, State College businessman who died recently and who did much to aid the community in humanitarian work.

The day's events will include six types of skill and novelty races in boats of all kinds, a celebrity race, an assortment of picnic and country style food for sale, and a dozen fair-type booths with prizes.

For the boat competition, registration is going on now and will continue until April 25 in the basement of the HUB (between 10:30 a.m. and 2:30 p.m.) and will also be held at Stone Valley on the day of the races.

Barash was a member of Beta Sigma Beta, which last year sponsored a piano recital by Mike Reid, Penn State All-American and concert performer. That program netted \$1500 for the Cancer Society.

SAROYAN PLAY OPENS

Kelly Yeaton, professor of theatre arts, is director of the Pavilion Theatre production of William Saroyan's play, "Jim Gandy," which opens at Pavilion Theatre to day (April 17) and continues April 18-19 and 22-26. Curtain time is 8 p.m.

Yeaton says the Saroyan play "is not a story but a series of connected actions, it is like a dance or a group of poems. It is useless to ask what it is about, or what it means. . . . It is a sequence of actions set before you in a real space and real time. It operates like a mirror; or ink-blot, or a work of art. . . . It reflects man, his life, the world, the author and the spectator."

Reservations for seats may be obtained by calling 865-1884.

PENN STATE intercom

Vol. 4, No. 32

April 24, 1975

An internet communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the cless schedule

Alumni Fellows to give lectures

Five Alumni Fellows will visit the campus during the next week, and a number of public lectures will be given, including the following:

Allan W. Ostar, executive director of the American Association of State Colleges and Universities — Monday, April 28, 2 p.m., Room 101 Kern, on "The Higher Education Establishment in Washington"; Tuesday, April 29, 10 a.m., Room 101 Kern, on "Higher Education in Year 2000"; and Wednesday, April 30, 9 a.m., Room 101 Kern, on "Public Policy Issues in Higher Education."

Dr. John Bierl, president of the American Institute of Nutrition and Endocrinology, N.I.H. — Monday, April 28, 3:35 p.m., Room 112 Kern, on "Human Requirements of Vitamin E"; Tuesday, April 29, 2:45 p.m., Room 101 Altohouse Lab, on "The Alleged Role of Vitamin E in Enzyme Reactions." He will also be present for an informal, buffet lunch discussion Monday, April 28, at noon, Room 233 Human Development, on "Defining and Setting of Recommended Dietary Allowances."

Dr. Hugh F. Cline, executive director of the Russell Sage Foundation — Tuesday, April 29, 9:30 a.m., Room 307 Liberal Arts Tower, on "Design and Development of Research Programs"; and Wednesday, April 30, at 2:30 p.m., Room 101 Kern, on "Research on Civil Liberties."

In addition to the three named, Dr. George J. Bair, retired director of technical staff services for Corning Glass Works, and Charles Yoder, president of the American Society of Civil Engineers and head of a consulting engineering firm in Milwaukee bearing his name, will be on campus during the week.

Dr. Bair, past president of the American Ceramic Society is a 1955 Distinguished Alumnus of the University.

Dr. Eisenhower honorary alumnus

Dr. Milton S. Eisenhower, of Baltimore, Md., who served from 1950 until 1956 as the eleventh president of the University, will be awarded the title of Honorary Alumnus of the University.

The honor will be conferred on June 7 as a part of the annual Alumni Institute and Class Reunions weekend activities.

Dr. Eisenhower served as president of the State during the Centennial Year, 1955, when the June commencement exercises brought his brother, Dwight D. Eisenhower, then president of the United States, to the campus as commencement speaker and to receive an honorary doctor of laws degree. The year also marked the groundbreaking for the Helen Eakin Eisenhower Chapel, named for the deceased wife of the Penn State president.

At Johns Hopkins, Dr. Eisenhower served from 1956 until 1967, when he retired. He again was called to service as president, retiring again in 1971.

As the unanimous choice of Alumni Council members for the Honorary Alumnus designation, Dr. Eisenhower joins Dr. John W. Oswald, currently president of the University; Joe Paterno, football coach; and Mrs. Marie Underhill Noll, of Manheim, L.I., N.Y., and Boca Raton, Fla., widow of a distinguished alumnus, A. Robert Noll, for whom Noll Laboratory was named.

Hickel to give keynote speech Friday

Student environment conference opens; public invited

Eco-Action's "Student Environment Conference" will open this evening (Thursday, April 24) with registration and a reception in the HUB Reading Room, from 7 to 10 p.m.

Walter Hickel, Secretary of the Interior in 1969-70 and former governor of Alaska, will give the keynote address for the Conference Friday, at 8 p.m., in the HUB ballroom. He will discuss "Our Social Values and the Environment — A Conflict?"

In a variety of workshops and discussion groups, Friday and Saturday, topics ranging from environmental laws to ERTS will come under scrutiny, with the help of many faculty members and outside speakers, as well as student leaders. The program follows (all sessions are open):

Friday, April 25 — 9 to 10:15 a.m., SESSION A, "Organization of Local Groups and How They Can Influence the Government." (Leader, Peter Hamik, Eco-Action). SESSION B, "Recycling — a dis-

cussion of volunteer group recycling programs." Jim Frohner, leader, HUB reading room.

Friday, April 25 — 10:45 a.m. to noon, SESSION A, "Environmental Laws: What Are They and How Can We Affect Them." William Eichbaum (Dept. of Environmental Resources.) HUB assembly room. SESSION B, "The Environment: Movement — Five Years After the First Earth Day." (Leader, Tim Perkins. HUB reading room.

Friday, April 25 — 2:35 p.m., SESSION A, "Industry in the Environment." Dr. Patrick Atkins, ALCOA Dept. of Health and Environment, HUB assembly room. SESSION B, "Environmental Careers." Dr. George Pratt, EPA director of the Office of Education and Manpower Planning. HUB reading room.

Friday, April 25 — 3:45-5 p.m., SESSION A, "Will Economic Recession Lead to Environment Re-creation." Dr. Robert Latham, assistant professor of economics, HUB assembly room. SESSION B, "Student Environmental Groups." Mark Silverman, student. HUB reading room.

Saturday, April 26 — 9:10-11 a.m., SESSION A, "Energy and Resource Recovery from Solid Waste — Problems of Solid Waste Management." Donald Lazerchik, Bureau of Land Protection, HUB assembly room. SESSION B, "Energy Alternatives,"

student-led discussion, Bob Kleveland leader, HUB reading room.

Saturday, April 26 — 10:45 a.m. to noon, SESSION A, "Measuring the Quality of Life." Dr. J. F. Wohliw, professor of man-environment relations, HUB assembly room. SESSION B, "What Is SECO (Student Environmental Counseling Organization)." HUB reading room.

Saturday, April 26 — 2:35 p.m., SESSION A, "Formation of Giltzon Action Groups." Leonard Green, Pa. Citizens Advisory Council, HUB assembly room. SESSION B, Part 2 of Environmental Careers, Gary White, Dept. of Environmental Resource Management, HUB reading room.

Saturday, April 26 — 3:45 p.m., "Environmental Resource Selection and Mapping, Using the ERTS," by G. J. McMurtrie, associate professor of electrical engineering, HUB assembly room.

Literature on the environment will be displayed in the HUB reading room during the conference and environmental films, among them "The Living Filter" and "The Impact of Technology," will be shown in the HUB. Tours of the Breazeale Nuclear Reactor and the Living Filter will be available during the lunch break both days.

To resolve disagreements with faculty

Grad student guidelines established

Procedures for resolving disagreements that may arise between University faculty members and graduate students have been established.

The procedures, which will become effective July 1, 1975, exclude academic matters and are concerned with alleged violations of freedom, professional ethics, and procedural fairness and consistency.

Under the guidelines, developed with the cooperation of the Graduate Student Association, disagreements that cannot be resolved within the department or program may be referred in writing by a graduate

student or faculty member to the appropriate dean.

The dean will convene a hearing committee consisting of an equal number of graduate students and faculty members. The hearing committee, consisting of at least four persons, will hold hearings and then submit its findings and recommendations to the dean and to the aggrieved graduate student or faculty member.

The procedures provide for an appeal to the dean of the Graduate School on either the committee's decision or the action of the responsible dean.

Art education gets top ranking

In a survey conducted among members of the National Art Education Association, Penn State's art education graduate program was considered to be the best of 222 colleges and universities listed in the survey.

Responding to the question, "in your opinion, and from your personal point of view, what five universities, colleges or schools of art presently have the best graduate programs in your professional area?" the 212 responders listed Penn State's program 83 times, with Ohio State second, 61 times; Stanford 51, Indiana 41.

Council considers classroom problems

A preliminary report on smoking in classrooms and other public facilities of the University was presented last Thursday at a meeting of the University Council.

It is expected that the subcommittee will make a complete report at the next meeting of the Council, scheduled for May 1. Dr. Helen A. Guthrie, a member of the subcommittee, in making the report, said that the committee has been examining the problems from the standpoint of health, safety, visual appearance of facilities, personal discomfort, and custodial and maintenance problems.

She noted that the subcommittee has had extensive comments from many sources over the past few weeks and that the subcommittee, chaired by Dr. Walter H. Walters, has examined previous smok-

ing regulations, adopted in 1958 and 1964, which were conceived primarily with safety rather than health hazards or personal objections to smoking.

Council also continued its discussion of ventilation and other conditions in classrooms as they relate to the quality of instruction.

The matter of classroom smoking arose in this discussion and was blamed for some of the problems that result in classrooms where ventilation for one reason or another is limited.

Dr. Russell E. Larson, provost, presiding as chairman of the Council, said the University Division of Instructional Services is in the process of identifying classrooms where improper ventilation appears to be a serious problem.

Sonic meditation lecture Tuesday



Pauline Oliveros

"An Evening of Sonic Meditation with Pauline Oliveros" will be presented by the composer Tuesday, April 29, at 8 p.m. in Room 112 Kern Graduate Bldg. at the University.

An associate professor of music at the University of California's San Diego campus, Oliveros has been in the forefront of West Coast experiments with electronic and other forms of avant-garde music. She was graduated from San Francisco State College with a B.A. in music and was self employed as a teacher and professional musician for several years before becoming director of Mills College's Tape Center. She joined the San Diego faculty in 1967.

She has written numerous compositions, many of them on commission, for instruments ranging from the accordion to tape recorders.

Her appearance is being co-sponsored by the Graduate Student Association and the Institute for the Arts and Humanistic Studies.

News in brief

DANCE CONCERT

Ten dances, all choreographed by members of ORCHESTRIS, under the direction of Patricia Heigel Tanner, will be performed in a concert Thursday, Friday and Saturday, May 1, 2, and 3 at 8:30 p.m. and also Saturday at 2:30 p.m. in White Building Dance Theatre. Tickets are \$1.50 for gen-

(Continued on page four)

Downs, Williamson get Wilson awards

Hassler given Harry E. Truman Award

Dr. Tom Hickey, associate professor of human development and associate director of the Gerontology Center, has been elected president-elect of the Association for Gerontology in Higher Education. The group's members come from four-year colleges, community colleges with education and research programs in gerontology, and universities. Also included are interdisciplinary centers, conventional academic units, and institutions in the process of developing programs. The purpose of the association is to provide effective communication among the various institutions engaged in gerontology education programs. He will begin his term as president in the spring of 1976.

E. Truman Award

Death

In Writing

Barash Award

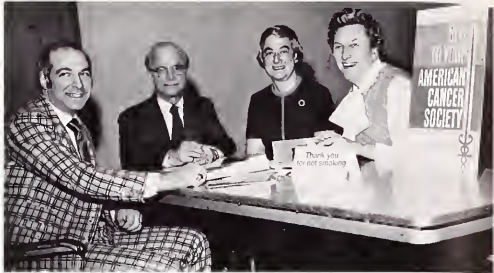
Friday, April 25, will be the final day for submitting nominations for the Barash Award for Human Service.

The first of the annual awards will be presented this spring to a member of the faculty, staff or student body at University Park who has contributed most, apart from regular duties, to human causes, public service activities and organizations for the welfare of fellow humans.

Nominations should be made to Della Durant, chairman of the nominating committee, 109 White Bldg., University Park.

Sigma Xi lecturer Carew here May 1

Faculty volunteers in Cancer Society



Music has heavy schedule for week

Within the week, music programs to be offered at University Park include the Penn State Singers concert Saturday, April 26, at 8:30 p.m. in Schwab Auditorium; a song recital by student tenor Marlin Hubler Sunday, April 27, at 3:30 p.m. in the Music Bldg. recital hall; an Artists Series program by organist David Craighead on Monday, April 28, at 8:30 p.m. in the recital hall; a saxophone recital by faculty member William Dole, Wednesday, April 30, at 8:30 p.m. in the recital hall; a concert by Musica

da Camera, the University chamber orchestra, Thursday, May 1, at 8:30 p.m. in the recital hall; a concert by Symphonic Wind Ensemble Friday, May 2, at 8:30 p.m. in the recital hall; a flute recital by graduate student Nancy Ruffer, Saturday, May 3, at 8:30 p.m. in the recital hall; and a vocal recital by junior music major Anne Flaherty, Sunday, May 4, at 3:30 p.m. in the recital hall.

The Penn State Singers, directed by Raymond Brown, will sing four settings of the Ave Maria by Kodaly, Bruckner, de Victoria, and Verdi, as well as motets by Mendelssohn and Bach, songs by Vaughan Williams, Holst and Williams, and a duet from Bach's Cantata No. 28. Soprano soloists Debra Fatula and Julia McKinstrey will be featured in a set of madrigals by six English composers. No tickets are needed for this concert; doors of Schwab Auditorium open at 8 p.m.

William Dole, a member of the Claremont Woodwind Quintet, will include a sonata by Bach transcribed for saxophone in his program Wednesday. He will also play works by Charles Koechlin, in which flutist Overda Page and harpist Linda Thomas will join him. Pianist Philip Delta will assist Dole in works by contemporary composers.

• **Musica da Camera**, directed by Douglas Miller, in a program postponed from April 16, will play: Bartok's "Divertimento," a work by Schoenberg and Stravinsky's "Suite No. 2," in which several members of the young section of the University Symphony will join the chamber orchestra.

The program of the Symphonic Wind Ensemble, which is directed by Smith Toulson, on May 2, will include a work by Caspar and Fischer, and by Riegger, Persichetti (Symphony for Band), a sonata by Gabrieli, Schumann's "George Washington Bridge," Leonard Bernstein's "Dawn" from "Fancy Free," and Gustav Holst's "Suite in 5 Flat."

Pavilion play



At Pavilion Theatre, "Jim Dandy," the William Saroyan play, continues through Saturday.

Continuing at Pavilion Theatre through Saturday is the University Theatre production of "Jim Dandy," the William Safran play directed by Kelly Yeaton. A "mirror" company of players — each actor has a partner — has been used in producing the play. Two State College youngsters, Alan Finney and Larry Avey, play the role of Little Johnny. "Jim Dandy" tickets may be obtained at the box office.

University Public Calendar

April 24-May 4, 1975

Special Events

Thursday, Apr. 24 — ARHS Week: "An Evening of the Races," 5 p.m., "Mini races" at East Halls; at 7 p.m., "Steeplechase '75" at East Halls; at 10:30 p.m., fireworks, Intramural Fields, near stadium.

Thursday, Apr. 24 — Agricultural Leadership Workshop 7 p.m., Room 301 Ag Administration. Dr. Robert Howell on "Team Skills and Interpersonal Relationships."

Friday-Friday, Apr. 24-25 — "Antonia," film about composer Antonia Brico, 8 p.m., Room 112 Kern.

Thursday-Saturday, Apr. 24-26 — Student Environmental Conference, sponsored by Eco-Action, sessions in HUB assembly room and HUB reading room. Thursday, 7-10 p.m., registration and reception, reading room. Friday, sessions morning and afternoon; keynote address, 8 p.m., HUB ballroom. Walter Hickel, former Secretary of the Interior, on "Our Social Values and the Environment — A Conflict?" Saturday sessions, morning and afternoon.

Friday, Apr. 25 — Folk and Square Dance Roundup, 7:30 p.m., north gym White Bldg.

Friday, Apr. 25 — Nittany Halls talent show, 6 p.m.; at 8:30 p.m., free movies outdoors; at midnight, Record Hop — all events in Pollock Quad in ARHS Week.

Friday, Apr. 25 — Commonsplace Coffeehouse, 2 p.m., Room 112 Kern.

Saturday, Apr. 26 — Penn State Singers concert, 8:30 p.m., Schwab.

Saturday, Apr. 26 — Sports: Men's baseball, vs. Pittsburgh, 2 p.m. Women's softball, vs. Brockport, 12:30 p.m.

Saturday-Sunday, April 26-27 — Phyrst Cup Rugby Tournament, sponsored by Penn State Rugby Club, 12 noon both days, fields east of flower gardens.

Saturday, Apr. 26 — From noon to midnight, a Day of Music, HUB or ballroom, to benefit Volunteer Service Center in ARHS Week.

Sunday, Apr. 27 — Marlin Hubler, tenor recital, 3:30 p.m., Music Bldg. recital hall.

Sunday, Apr. 27 — Sports: Men's tennis, vs. Colgate, 2 p.m.

Sunday, Apr. 27 — Chapel Service, 11 a.m., Eisenhower Chapel. Charles Lupton, Executive Director, Office of Gifts and Endowments.

Sunday, Apr. 27 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

Monday, Apr. 28 — Pat Paulsen, comedian, and Terry Beard, 8 p.m., University Auditorium, as part of Residence Hall Week. ARHS. Tickets, \$1.50 at HUB desk.

Monday, Apr. 28 — Jack Bieri, Alumn Fellow, Laboratory of Nutrition and Endocrinology, NIH, President, American Institute of Nutrition, on "Human Requirements of Vitamin E," 3:35 p.m., Room 112 Kern.

Tuesday, Apr. 29 — Sports: Women's lacrosse, vs. Maryland, 4 p.m.

Tuesday, Apr. 29 — Agricultural Leadership Workshop, 7 p.m., Room 301 Ag Administration. Dr. Joan Thompson and Dr. Daryl Heasley on "Leadership Skills and Group Communication."

Tuesday, Apr. 29 — Artists Series film, Ingmar Bergman's "The Silence," 8:30 p.m., University Auditorium.

Tuesday, Apr. 29 — Paulo Oliveira, composer, "An Evening of Solo Meditation with Pauline Oliveros," 8 p.m., Room 112 Kern.

Tuesday-Wednesday, Apr. 29-30 — Alpha Phi Omega Bloodmobile, 9 a.m.-5 p.m., HUB ballroom.

Wednesday, Apr. 30 — ARHS Week, Centennial Halls, 6:30 p.m., front lawn of McEwen Hall. Mattress Show, 8 p.m., HUB ballroom. Coffee House with Sunday Drive and Stan Shepherd, 11 p.m. Terror Films, HUB ballroom.

Wednesday, Apr. 30 — "Noondays" devotion service, 12 noon, Eisenhower Chapel. Rev. Ned Weller.

Wednesday, Apr. 30 — University Theatre student preview, "Dracula," 8 p.m., Playhouse Theatre.

Wednesday, Apr. 30 — William DeLo, saxophone recital, 8:30 p.m., Music Bldg. recital hall.

Wednesday, Apr. 30 — Sports: Men's baseball, vs. Juniata, 3:30 p.m. Men's lacrosse, vs. Loyola, 8 p.m.

Thursday, May 1 — GSA workshop, 7:30 p.m., Room 101 Kern.

Thursday-Saturday, May 1-3 — University Theatre, "Dracula," 8 p.m., Playhouse Theatre.

Thursday, May 1 — Musica da Camera, 8:30 p.m., Music Bldg. recital hall.

Thursday-Saturday, May 1-3 — Orchestral annual Spring Dance Concert, 8:30 p.m., and matinee Saturday, 2:30 p.m., White Bldg. Dance Theatre.

Friday, May 2 — PSU Symphonic Wind Ensemble, 8:30 p.m., Music Bldg. recital hall.

Friday, May 2 — Commonsplace Coffeehouse, 8 p.m., Room 112 Kern.

Friday, May 2 — Sports: Women's golf, vs. Ithaca, 3:30 p.m. Women's lacrosse, vs. Ithaca, 3:30 p.m.

Friday-Saturday, May 2-3 — "Teaching Conference" sponsored by Inter-Varsity Christian Fellowship, Black Christian Fellowship, and Campus Crusade for Christ, with Larry Tomczak and C. J. Mahaney; sessions Friday at 7:30 p.m.,

Saturday at 10 a.m. and 2 and 7:30 p.m., University Auditorium.

Saturday, May 3 — "New Perspectives" program by Returning Women Students organization, all day, Room 101 Kern. Registration at 9 a.m., principal speakers, Dr. Jane Berry, LaGuardia Community College, N.Y., at 9:45 a.m.; Jean Swenson, Temple University, 1:30 p.m.; panel discussion at 2:45 p.m. on "Adults and Learners: Myths and Facts."

Saturday, May 3 — Nancy Ruffer, flute recital, 8:30 p.m., Music Bldg. recital hall.

Saturday, May 3 — Sports: Men's tennis, vs. Kent State, 2 p.m. Men's Golf Invitational Tournament, 1 p.m.

Saturday-Sunday, May 3-4 — Chess Tournament, 9 a.m. — midnight, HUB main lounge.

Saturday, May 3 — Returning Women Students Conference, all day, Rooms 101 and 102 Kern.

Saturday, May 3 — Penn State Dairy Exposition "show day," Dairy Barns, 8 a.m.

Sunday, May 4 — Anne Flaherty, soprano, 3:30 p.m., Music Bldg. recital hall.

Sunday, May 4 — Sports: Golf invitational Tournament, 1 p.m.

Sunday, May 4 — President's reception for international students, 3 p.m., Room 101 and 102 Kern.

Sunday, May 4 — GSA Interest night, 7:30 p.m., Room 102 Kern.

Sunday, May 4 — Open-Air Art Show, 1-4 p.m., Pollock Quad.

Sunday, May 4 — Chapel Service, 11 a.m., Music Bldg. recital hall. Dr. James Cone, Professor of Theology, Union Theological Seminary.

Sunday, May 4 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

Seminars

Thursday, Apr. 24 — Engineering Acoustics, 4 p.m., Room 166 Willard. John B. Dohc on "Transmissibility Across Simply Supported Rectangular Thin Plates with Loading Masses or Ribs."

Thursday, Apr. 24 — Chemistry, 12:45 p.m., Room 333 Whitmore. John A. Osborn, Harvard University, on "Mechanistic Studies in Organometallic Chemistry," 2 p.m., Room 112 Kern.

Thursday, Apr. 24 — Physics, 3:35 p.m., Room 117 Osmond. David Sealer, Bell Telephone Laboratories, Murray Hill, N.J., on "Charge-Coupled Devices."

Thursday, Apr. 24 — Agronomy, 8:30 a.m., Room 111 Tyson. Roy Sjoholm on "Transformation of Aromatic Compounds by Fungal Enzymes."

Thursday, Apr. 24 — Transportation Institute, 2:20 p.m., Room 168 Materials Research Lab. Irving Hand, state and regional planning, on "Land Use Controls and Travel Demand."

Thursday, Apr. 24 — Air Pollution Control, 2:20 p.m., Room 145 Fenske. Frank Scholmeier, RAPS, Greer, Coeur, Missouri, on "Regional Air Pollution Study at St. Louis."

Thursday, Apr. 24 — Biophysics, 4 p.m., Room 617 Life Science I. S. V. Sheshadri, Moscow State University, on "DNA Replication in Blue-Green Algae."

Thursday, Apr. 24 — Mathematics, 4 p.m., Room 115 McAllister. Maurice Auslander on Algebra.

Thursday, Apr. 24 — Statistics, 4 p.m., Room 50 Willard. David Harville, Wright Patterson Air Force Base, on "Allocation of Experimental Units Using Observed Covariate Values."

Friday, Apr. 25 — Physical Chemistry, 4:30 p.m., Room 115 McAllister. H. L. Strauss, University of California, on "Intermolecular Forces in Liquids from Spectroscopic Studies."

Friday, Apr. 25 — Analytical Chemistry, 2:45 p.m., Room 333 Whitmore. Aubrey L. McAllister on "Lasers in Analytical Chemistry."

Friday, Apr. 25 — Microbiology, 4 p.m., Room 52 Frear. Dr. F. O'Neill, University of Utah Medical School, on "Control of Nitrogen Division in Neural, Neoplastic and Virus Transformed Cells."

Friday, Apr. 25 — Computer Science, 4 p.m., Room 325 Whitmore. Dr. Harold S. Stone, electrical engineering, University of Massachusetts, on "The Structure and Use of Array Computers."

Friday, Apr. 25 — Ceramic Science, 11 a.m., Room 301 Mineral Industries. Dr. Robert E. Day, engineering, University of Missouri-Rolla, on "Alkali Ion Move-

ment in Single and Mixed Alkali Glasses."

Monday, Apr. 28 — New Communities, Architecture, 2 p.m., Room 322 Sackett. James Alcott, Real Estate Research Corp., New York, on "Planning of a New Community: The Case of Minnesota Experimental City."

Monday, Apr. 28 — Inter-Science, 4 p.m., Room 333 Whitmore. Roberta Colman, chemistry, University of Delaware, on "Studies on the Mechanisms of Isocyanate Dehydrogenase." At 11 a.m., Room 333 Whitmore, Helmut Beinert, University of Wisconsin, on "Respiratory Chain" 1975: The Impact of ERP Spectroscopy on Our Present Picture.

Monday, Apr. 28 — Genetics, 3:55 p.m., Room 111 Tyson. Elizabeth Specht on "Robertsonian Translocations in Animals."

Monday, Apr. 28 — Horticulture, 12:45 p.m., Room 101 Tyson.

Tuesday, Apr. 29 — Geosciences, 4 p.m., Room 26 Mineral Sciences. John C. Griffiths on "Exploration for and Evaluation of Natural Resources."

Tuesday, Apr. 29 — Plant Pathology, 9:45 a.m., Room 213 Buckhout. Evan Gustow on "Mechanism of Resistance in Helminthosporium Eyspot Disease of Sugarcane."

Tuesday, Apr. 29 — Physiology, 3:45 p.m., Room 111 Life Science I. Dr. R. H. Hamerstedt, biochemistry, on "Changes in Energy Metabolism of Bovine Sperm During Epididymal Transit."

Tuesday, Apr. 29 — Solid Waste Management, 10 a.m., Room 145 Fenske. Donald Berman, Director, Department of Works, Allegheny County, on "Solid Waste Management, Past, Present, and Future, Allegheny County, Pennsylvania."

Tuesday, Apr. 29 — Philosophy, 4 p.m., Room 273 Willard. Max F. Fish, Emeritus Professor of philosophy, University of Illinois, on "The Proof of Pragmatism."

Tuesday, Apr. 29 — Biochemistry, 2:45 p.m., Room 101 Althouse. Jack Bieri, Alumn Fellow, NIH Laboratory of Nutrition and Endocrinology, on "The Alleged Role of Vitamin E in Enzyme Reactions."

Tuesday, Apr. 29 — Engineering Science and Mechanics, 4 p.m., Room 215 Hammond. Dr. Katsunari Shimada, Jet Propulsion Lab., California Institute of Technology, on "Thermionic Engineering Conversion."

Tuesday, Apr. 29 — Solid State, 3:45 p.m., Room 250 MRL. Dr. D. R. Frankl, physics, on "Physical Adsorption."

Wednesday, Apr. 30 — Biochemistry, 4 p.m., Room 101 Althouse. Jack Bieri, Bradshaw, Washington University Medical

School, St. Louis, on "Structural, Functional and Revolutionary Aspects of Nerve Growth Factor and Insulin."

Wednesday, Apr. 30 — Fuel Science, 4 p.m., Room 301 Mineral Industries. Dr. Leonard G. Austin on "Mechanical Properties of Coal."

Wednesday, Apr. 30 — Remote Sensing, 2:30 p.m., Room 225 Electrical Engineering West. Donald L. Henninger on "Floodplain Delineation Using ERTS Multispectral Scanner Data."

Wednesday, Apr. 30 — Community Consultation Laboratory, 2 p.m., Room S-130 Human Development. Edward D. Hollander, Robert R. Nathan Associates, Washington, on "The Perils and Pleasures of Consultation."

Thursday, May 1 — Agronomy, 8:30 a.m., Room 111 Tyson. Bill Stout on "Soil Factors Affecting Milk and U uptake by Corn."

Thursday, May 1 — Mathematics, 4 p.m., Room 115 McAllister. B. Johnson on Analysis.

Thursday, May 1 — Biophysics, 4 p.m., Room 617 Life Science I. Dr. Donald Crick, New York Medical College, on "Intestinal Absorption of Compounds Injected into the Amniotic Cavity of Mammalian Fetuses."

Thursday, May 1 — Air Pollution Control, 3:45 p.m., Room 145 Fenske. David S. Natus, chemistry, University of Illinois, on "Physico-Chemical Factors Influencing the Health Impact of Airborne Particles."

Thursday, May 1 — Chemistry, 12:45 p.m., Room 333 Whitmore. Daniel E. Martire, Georgetown University, on "Theory of Solute Retention and Selectivity in Gas and Liquid Chromatography."

Thursday, May 1 — Water Pollution Control, 10 a.m., Room 145 Fenske. EPA, National Eutrophication Program, 2:30 p.m., Room 105 Mech. Eng., on the Program.

Thursday, May 1 — Transportation Institute, 2:20 p.m., Room 189 Materials Research Lab. Dr. Beacher, Director of Marketing and Communications, Port Authority of Allegheny County, on "Marketing Transit."

Thursday, May 1 — Computer Science, 4 p.m., Room 101 Althouse. Webb Miller, on "Automatic Verification of Numerical Correctness."

Thursday, May 1 — Man-Environment Relations, 4 p.m., Room 5-131 Human Development. Dr. Mark Glass, University of Texas, on "Behavioral Antecedents of Coronary Heart Disease."

Thursday, May 1 — Statistics, 4 p.m., Room 69 Willard. Dr. Victor L. Wallace, University of North Carolina, "Numerical Markov Analysis of Computer Models."

Lecture

Thursday, Apr. 24 — Guillaume de la Fuente, architect in charge of the French embassy project in Brasilia, on "Recent Work in Brasilia," 7:30 p.m., Room 64 Willard, sponsored by department of architecture.

Thursday, Apr. 24 — William E. Barksdale, Vice President of Cook Industries, Inc., Memphis, on "Changes in the World Food Complex."

Monday-Friday, Apr. 28-May 1 — Priestley Lectures, Dr. Michael Boudart, Stanford University. Time and place to be announced.

Thursday, May 1 — Sigma Xi Spring Lecture Series, 8:30 p.m., Room 112 Kern. Dr. Jean Carew, Harvard University, Laboratory of Human Development, on "Effects of Environment on Intellectual Development of Young Children."

Meetings

Monday, Apr. 28 — USG Senate, 7 p.m., HUB assembly room.

Monday, Apr. 28 — Education Student Council, 1 p.m., Room 123 Chambers.

Monday, Apr. 28 — OTIS, 6:30 p.m., Room 203 HUB.

Tuesday, Apr. 29 — ARHS, 7 p.m., Room 101 Kern.

Tuesday, Apr. 29 — American Society for Engineering Education, 12 noon, Dining Rooms A-B HUB. Charles W. Yoder on "Self Service Society."

Tuesday, Apr. 29 — College of Education faculty luncheon, 12:30 p.m., Room 101 Kern.

Wednesday, Apr. 30 — Penn State Mining Engineering Society, 7:30 p.m., Room 26 Mineral Sciences. Joe B. Alfaro, American Institute of Mining, Metallurgical and Petroleum Engineers, on "The AIME Today — the Value to Students in Materials Disciplines."

Films

Thursday-Sunday, Apr. 24-27 — Centre Cinema, "The Sugarland Express," 7:30 and 10 p.m. Thursday, Simmons; Friday-Sunday, Room 105 Forum.

Wednesday, Apr. 30 — Commonsplace Theatre, "A Streetcar Named Desire," 7:30 and 9:30 p.m., Room 112 Kern.

Thursday-Sunday, May 1-4 — Centre Cinema, "Dr. Zhivago," Thursday and Sunday, 7 p.m., Friday and Saturday, 6:45 and 10:15 p.m. Thursday in Simmons, Friday-Sunday, Room 102 Forum.

Items to be included in this calendar should be sent to the editor, Room 312 Old Main, by Thursday of the week preceding publication.

(Continued from page one)

erial admission may be purchased now at 105 White Bldg. or later at the door before each performance. Ballet, modern dance, and jazz dance techniques will be used.



Allie Rogers and Barbara Schutte prepare for the program of dance by Orchesta May 1, 2 and 3 in White Bldg.

AT PLAYHOUSE

A 19th century classic of gothic horror, "Dracula," will be the University Theatre production in Playhouse Theatre May 1-3 and 6-10, with a special student preview April 30. Directed by William Kelly, the play is adapted from the novel by Bram Stoker which made the Dracula synonymous with horror stories. Tickets may be purchased at the box office now, or seats may be reserved by calling 865-1884.

RETURNING WOMEN

A program on "New Perspectives" will be held Saturday, May 3, in Room 101 Kern Building by the organization, Returning Women Students, which is open to all with no registration fees.

The meeting will have as a morning speaker, at 9:45 a.m., Dr. Jane Breier, professor of social science at La Guardia Community College, N.Y., who will speak on "Returning — Relating — and Creative Coping." Small group discussions will follow the talk.

At 1:30 p.m., Jean Swenson, director of continuing education for women at Temple University, will be the speaker, and at 2:45 p.m., a panel discussion on "Adults as Learners, Myths and Facts," will be held with Dr. Ray Bornier, professor of human development; Ruth Fine, graduate student in human development; and Myrtle Williams, undergraduate.

TEACHING CONFERENCE

Black Christian Fellowship, Campus Crusade for Christ, and Inter-Varsity Christian Fellowship are sponsors of a "Teaching Conference" on the theme of "The Unshakable Kingdom," Friday and Saturday, May 2 and 3, in University Auditorium. The Friday session is at 7:30 p.m., and sessions will be held Saturday at 10 a.m., 2 p.m. and 7:30 p.m.

The conference will be led by Larry Tomczak and C. J. Mahaney, both of whom have been involved in a large teaching ministry in Washington, D.C., called "Triumphantly Abiding in God." Tomczak is author of "Clap Your Hands" and is considered to be the first full-time Roman Catholic lay evangelist in the U.S. Both he and Mahaney were here earlier in the year in Schwab Auditorium and Grace Lutheran Church in town.

The conference is open to everyone in the area.

HEALTH FAIR

Thirty local and state organizations will take part in the third annual Health Fair in the Hetzel Union Building Ballroom May 7 and 8. Examinations of various kinds, demonstrations, and films will be featured, and much literature of interest to the general public about health matters will be distributed. Everything is free.

Some 3,500 people witnessed last year's fair, open to everyone in the area, students and residents.

RUGBY TOURNAMENT

The annual "Phyrst Cup Rugby Tournament" will be staged by the Penn State Rugby Club Saturday and Sunday, April 26 and 27, in the fields east of the Flower Gardens (north of East Halls), with activity beginning at 12 noon each day. There is no admission charge for spectators to watch not only local teams but teams from Eastern U.S. and Canada.

FSHA 410 DINNER

An Oregon Pioneer menu and motif will feature the FSHA 410 class special dinner Wednesday, April 13, in the Maple Room of the Human Resources Bldg. The menu will include cranberry juice, hot spinach salad, homemade White House bread with strawberry preserves, baked stuffed rainbow trout, Indian stew, buttered peas with mushrooms, hot apple pie, fruit bowl. The cost is \$4.50 including tax. For reservations, call 865-7441.

FREE-U TENNIS

Free-U is organizing a second group of "Tennis Partners," so that when anyone feels the urge to exclaim, "Tennis, Anyone!" he will have a list of "anyones" to refer to. Free-U maintains a listing of persons who occasionally or frequently need a tennis opponent or partner for doubles, with phone number, address, relative skill, and approximate times when the person is available to play. Anyone on the list may obtain a copy by just sending a self-addressed, stamped envelope to Free-U in the HUB, or through Campus Mail. Considering a very large list unmanageable, Free-U is starting a second group to supplement the partners' list of 80 persons already established and working well. You can join the new list by calling Free-U, 863-0038.

Artists series has organist

Lancaster-born organist David Craighead, who has been recruited, teacher, and church organist for 33 years, will give a program Monday, April 28, at 8:30 p.m. in the Music Bldg. recital hall, as a special feature of the Artists Series.

His program will include a concerto by Vivaldi arranged by J. S. Bach; a chorale fantasia by Dietrich Buxtehude; Mozart's Andante in F major, K. 616; a Bach prelude and fugue; Hugo Dietler's "Orgel-sonata," Op. 18, No. 2; and a triptych, No. 51, by Marcel Dupre.

Craighead is current co-chairman of the newly organized keyboard department of the Eastman School of Music.

Exhibits

Museum of Art — Lee Krasner: Collages and Works on Paper, Gallery C, until April 27. Selections from the Permanent Collection, Gallery B. Ancient Peruvian Ceramics from the Collection of Dr. and Mrs. Kehl Markley, Gallery A, opening May 4.

Chambers Gallery — Brent Wilson, Leon Altier, and Education, Painting and Sculpture, until April 25. Undergraduate exhibition, all media, opening April 25.

HUB Gallery — "French Cheeses and Wine," French Embassy Exhibit, until April 27. "African Arts," Smithsonian Institution Exhibit, opening April 28.

Hammond Gallery — "Black and White Progression Series," paintings by David Rubelo, 2-6 p.m., daily.

Kern Gallery — Paintings, sculpture and ceramics by Zeko Kujundic, associate professor of art, Fayette Campus, thru May 3.

Pollock Lounge — Campaign and Slogan Buttons, until April 30.

Staff vacancies

University faculty or staff members who are interested in any of the staff exempt or staff non-exempt jobs listed below may apply by calling Employment Division, 865-1387 (Network Line 475-1387). Do not contact the area having the vacancy. Applications will be accepted until 5 p.m.:

THURSDAY, MAY 1, 1975

PUBLIC RELATIONS ASSISTANT — Hershey Center

Responsible to the Director of Public Relations for establishing job procedures and developing graphic designs for publications. Bachelor's degree or equivalent preferably in Art plus up to one year of directly related experience.

THE UNIVERSITY IS AN EQUAL OPPORTUNITY EMPLOYER

Check hospital insurance coverage

Faculty and staff members of the University should review periodically the deduction being taken from their paychecks for their hospital coverage, to be certain that they are paying for the correct coverage.

The reason the review should be made is that changes in family status may affect your costs and your coverage. For example, when you get married, when you have a first child, or when your spouse stops working for the University, you run the risk of having inadequate dependent coverage unless you do something about it.

You should check your coverage if any of the following circumstances arise:

1. Your spouse or child begins working for the University as a regular employee.
2. Your spouse or only child dies.
3. You are divorced.
4. Your only dependent child enters military service or reaches his 19th birthday (or 23rd birthday in the case of a full-time student).
5. Your only dependent child gets married.
6. Your spouse reaches age 65.

How do you know if you have the right coverage or are paying the right amount?

Compare the amounts shown on your salary check stub with the amount you should be paying as shown in the following table:

INSURED PERSONS	MONTHLY	BI-WEEKLY
Employee, only	None	\$6.00
Employee, child, children	\$1.75	\$3.50
Employee, spouse	\$2.60	\$5.20
Employee, spouse, child	\$5.00	\$10.00

(These rates apply when all insured persons are under age 65. Persons over age 65 are insured in a different plan at no cost.)

If a change should be made, call, write or visit the Employee Benefits Division, 133 Willard, 865-1473. The University has no way of knowing whether a change should be made, so it is the employee's responsibility to keep the records up to date and accurate. No refunds for overpayment will be made unless it is shown the University was in error.

Bland cites burn center's value

Wheeler fund needs continuing help

There will be a continuing need for community help through the Todd Wheeler Burn Fund to aid the young man who was seriously burned and has lost a leg as the result of an accident while he was trying to help put out a brush fire.

Richard E. Bland, associate professor of engineering research at the Applied Research Laboratory, a national figure in the fire prevention and control aspects of safety and locally active in the drive to aid the Wheeler family through the obviously difficult financial problems, found out that costs may exceed \$350 per day for young Wheeler's stay at the special burn center where he is currently being treated.

"Here is a young man epitomizing all the good things we try to teach our young people about helping those in need and

sacrificing for others," Bland says, "and as a result of a kind of accident that could happen to anyone, he will be married for life. We must learn something from such accidents, but now we must think of helping Todd and his family as much as we can. University people have a stake in Todd's battle and what we do as a result of what happened."

Bland explains further that the Crozer-Chester Burn Unit, in Chester, Pa., is one of only 20 such units in the country. By help to meet the huge financial costs, and Pennsylvania to be of service to everyone here who might suffer a severe enough burn, whatever the cause, that cannot be handled adequately by local facilities. He says the area is fortunate to have the center, but he points out that such centers always must get help in major cases to pay for the care because this is an area of very costly treatments.

"Insurances seldom cover nearly enough of the total costs of treatments, which often extend for years," Bland says. "Community help is frequently the only practical way to meet the huge financial costs, and fortunately communities usually do give for special cases like this. Most people wouldn't know, however, that severe burn cases require many months and years of hospital treatment, even after the patient has gone home. Nor do they realize the family adjustments that are always needed."

Todd's father, Nelson, was once a design draftsman at the Ordnance Research Laboratory (now Applied Research Lab) and is now employed at HRS-Singer.

(Contributions to the fund will be accepted for as long as they are needed, even though the main thrust of the drive was made two weeks ago. Faculty and staff members may help by sending checks to the Todd Wheeler Burn Fund, Alpha File Co., State College, Pa. 16801, or they may be left at any office of the Peoples National Bank.)

The accident focuses attention, Bland asserts, on the special problems fire fighters face, but also should re-emphasize everyone the responsibilities to prevent fires. Few communities, he believes, do enough in the line of education related to fire prevention, but he admits he is at a loss to understand fully what "educational" really means. Pointing out potential dangers doesn't seem to be enough, he declares. In spite of the many different ways now used to get that story across. Human nature being what it is, people will do things in spite of knowing about the potential danger — brush fires being only one example.

The cooperation of many, many people was needed, and given, in Todd Wheeler's case, and more cooperation is still required. The doctors at the Burn Center have praised the Mt. View Hospital staff for its skill in "stabilizing" the condition of the young man before he was transferred to the Center. Prior to that, many others had a hand in providing assistance. Bland hopes that spirit will continue, and that other burn victims in the future will get the kind of special help they will require. It could happen to anyone.

Retirement option deadline nears

Regular full-time University faculty and staff members who joined the State Employees' Retirement System prior to September 1, 1974, are reminded that May 31, 1975, is the final day by which all changes from the State retirement system to the new optional alternate retirement plan, TIAA, may be made. This option is provided by Act. 31 of the 1974 session of the Legislature and was first made available to all University faculty and staff members on September 1, 1974.

Anyone considering a change to TIAA should contact his or her Personnel Representative, the Business Manager if employed at one of the Commonwealth Campuses, the Personnel Office for those employed at the Hershey Medical Center, or the Employee Benefits Division, 133 Willard Building. The proper applications, including the application to withdraw contributions from the state system, may be obtained from any of these areas.

Because of continuing efforts to conserve energy, University buildings that have air conditioning will not be as cool this summer as in past years.

Raymond E. Zilly, vice president for business and chairman of the Executive Energy Conservation Committee, says that the target for personal comfort cooling this summer will be 78 degrees F. The new standard, however, will not apply where animal facilities, laboratory equipment, or computer installations dictate other temperatures.

The new target was determined after consultation with Dr. Elsworth R. Buskin, professor of applied physiology and director of the Laboratory for Human Performance Research, and Everett R. McLaughlin, professor of engineering research.

A program to hold cold-weather temperatures at 68 degrees F. and at 55 degrees F. in storage areas and other areas not regularly used by personnel has effected substantial savings in fuel since it became effective more than a year ago, Mr. Zilly said. He expects the higher temperatures in air-conditioned buildings to result in substantial savings also while not greatly affecting the comfort of personnel.

PENN STATE intercom

Volume 4, Number 33

May 1, 1975

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

Science, technology, society symposium May 8

A symposium for faculty and students, sponsored by the faculty of the Science, Technology and Society Program at University Park, will be held Thursday, May 8, on the subject: "Studies in Science, Technology and Society at Penn State." The symposium's objectives are: to provide a forum for faculty and students to examine relationships among science, technology, the society; to enable people interested in the subject to meet and exchange views; and to further individual scholarship, courses of instruction, and student interest in the general subject.

The morning session, in Room 101 Kern, will be chaired by Robert J. Helms, mechanical engineering, and after opening remarks, Donald P. Verene, philosophy, will discuss "Technology and Myth" at 9:15 a.m. At 10:30, Robert G. Price, philosophy, and Barbara R. Price, law enforcement and corrections, will discuss "Are Neighborhood Values Technologically Obsolete?" At 11:15 a.m., Gordon N. Fleming, physics, will talk on the subject, "Mathematics as an Obstacle in the Communication of Science to the Nonscientist." The afternoon session, also in Room 101

Kern, will open at 1:30 p.m., with John E. Tilton, mineral economics, speaking on "The Future Adequacy of Non-Fuel Minerals: The Nature of the Challenge for Science, Technology and Society." At 2:15 p.m., "Societal Issues on Energy and Nuclear Power" will be discussed by Edward H. Kleban, nuclear engineering. At 3 p.m., Michael R. King, political science, will discuss "Sources and Uses of Scientific and Technological Information in State Legislatures."

A general discussion of papers will conclude the program.

Convocation

Both President John W. Oswald, and Dr. Helen I. Snyder, outgoing Chairman of the University Faculty Senate, will address the faculty of The Pennsylvania State University at the second University-wide Faculty Convocation, to be held at 4:00 p.m. on Tuesday, May 13, in University Auditorium.

Faculty members are invited to attend the convocation, as schedules permit. To accommodate faculty at other locations, a simultaneous broadcast will be made to each of 21 other locations where faculty may gather in an area convenient to them.

President Oswald will discuss current issues of importance and of broad concern to the University community; and Chairman Snyder will highlight the activities for the entire faculty of the actions of the University Faculty Senate. Both Dr. Oswald and Dr. Snyder invite faculty who have questions they would like to have addressed to send these in advance of the convocation date.

Faculty publications data due

Members of the faculty who wish their publications and professional activities listed in the University's annual bibliographies should send this information to their department heads and deans.

Detailed instructions for the submission of these listings are given in a May 1 memo from Dr. R. G. Cunningham, Vice President for Research and Graduate Studies. Copies of this memo are available from your department head or research dean.

Commonwealth Campus faculty should send their listings to the respective department head at University Park with an informal copy to their campus director and Commonwealth Campus dean.

Contributions should be in the department head's hands in sufficient time to

reach the Office of the Vice President for Research and Graduate Studies by July 31.

The bibliography will be split into two publications, "Research Publications and Professional Activities" and "University Publications and Reports to Agencies." To be included are research papers and articles, books reviewed and printed by established publishers, substantive and/or final reports sent to state and federal agencies, informational materials (articles and reports printed in non-standard journals), and novels, short stories, musical compositions, exhibits of fine arts, inventions, patents and any other activity that meets recognized standards of excellence in its field.

See the May 1 memo for complete information.



Dr. Michel Boudart

Priestley talks by Dr. Boudart

Dr. Michel Boudart, professor of chemical engineering and chemistry at Stanford University and an expert on chemical reactions, is the 1975 Priestley Lecturer and will give four seminar lectures next week to which the public is invited.

The four lectures are: "Titration of Surface Sites," Monday, May 5, 8 p.m. Room 115 Electrical Engineering West; "Turnover Numbers of Catalytic Sites," Tuesday, May 6, at 8 p.m., Room 115 Electrical Engineering West; "Geometric or Structural Effects," Wednesday, May 7, at 8 p.m., Room 333 Whitmore Lab; and "Electronic or Ligand Effects," Thursday, May 8, at 3 p.m., in Room 112 Kern.

Mu Chapter, Phi Lambda Upsilon, chemical honorary society, sponsors the annual lecture series along with chemistry-related departments of the University.

Last year Dr. Boudart, who is considered to be one of the most outstanding scholars in this country in the field of chemical catalysts and techniques for increasing the rates of chemical reactions, received the H. Wilhelm Award for Chemical Reaction Engineering, sponsored by the Mobile Oil Corp.

Seminar on women in management

A seminar to explore the problems of career-minded women on the personal, professional and societal levels will be held Friday and Saturday, May 9-10, sponsored by the Master of Business Administration Association, an organization of graduate students in the MBA program at Penn State.

Caroline Bird, author of "Everything a Woman Needs to Know to Get Paid What She's Worth" and of the 1968 book, "Born Female," will give the principal address to the seminar Friday, May 9, at 8 p.m. in Room 112 Chambers. She will speak on the seminar topic, "Women in Management."

Saturday's program will consist primarily of workshops led by both professional and academic experts on women's status in business. They will be held in Room 101 Kern, according to the following schedule:

Workshop A — 9:10-10 a.m., "Things Mother Never Told You About Life in the Corporate System."

Workshop B — 10:45 a.m. to noon, "The Corporate Door: 'Getting In.' The Organizational Elevator: 'Going Up?'"

Workshop C — 1:15-2 p.m., "The Private Life of the Woman Manager."

A plenary session will follow the third workshop.

SENATE: special meeting on committee structure

The University Faculty Senate will hold a special meeting Monday, May 5, to consider recommendations on Senate committee structure.

The special session is scheduled for 7 p.m. in Keller Bldg. auditorium. If time permits at the special meeting, the Senate also will consider a report from its Subcommittee on Student Evaluations.

The regular monthly Senate meeting on Tuesday, May 6, will begin earlier than usual. It is scheduled to start at 1 p.m. in Room 112, Kern Graduate Bldg.

At 2:30 p.m. during the regular meeting, the Senate will resume discussion of a report from the Subcommittee on Rank and Tenure.

Following the rank and tenure discussion, the Senate is scheduled to

hear reports from the Academic Affairs subcommittees on Physical Plant Planning and Resident Education — Continuing Education, the Academic Admissions Standards Committee, and the Faculty Affairs Subcommittees on Fringe Benefits and Salary Policies.

Also scheduled are reports from several special committees, including the Pass-Fail Committee, Student Academic Rules Committee and the Faculty Rights and Responsibilities Committee.

Results of the 1975-76 voting unit elections will be reported, while the Nominating Committee will present its reports on nominees for Senate officers, Faculty Advisory Committee, and the Faculty Rights and Responsibilities Committee.

If the agenda business is not concluded by 5:30 p.m., the Senate will recess and reconvene at 7 p.m. to complete its business.

News in brief

ARMED FORCES BAND

The U.S. Armed Forces Bicentennial Band will give a concert in University Auditorium at 8 p.m. Wednesday, May 7. Free tickets may be obtained from the Department of Music Education, Room 217 Chambers, or they may be ordered by mail by including a stamped, self-addressed envelope. The band and accompanying chorus were organized to celebrate the nation's bicentennial, and are touring the country, visiting all 50 states. The organizer and director is Lt. Col. Hal J. Gibson. Musicians and singers from all branches of the armed services are included, augmented by civilians from top music schools.

BUSINESS AWARDS

Alumni Achievement Awards will be presented by the College of Business Administration Alumni Association to two prominent alumni at a ceremony Friday, May 9, in the Penn State Room of the Nittany Lion Inn, at 5:30 p.m. At the same ceremony, the alumni group makes awards to faculty and students. The alumni to be honored are Robert W. Moore, BA 1948, who is controller of Consolidated Natural Gas Co., and Ronald G. Lench, 1954 graduate in accounting and a University of Pittsburgh Law School graduate, who is currently State Secretary of Property and Supplies.

THEOLOGIST HERE

Dr. James H. Cone, professor of theology at Union Theological Seminary and at

(Continued on page four)

Conference on child abuse legislation

Speakers for a conference May 15 at University Park on the subject of "Child Abuse" will include the following:

State Senator Michael A. O'Pake, who was instrumental in amending legislation to deal with child abuse in the state.

Mrs. Sharon Raney Palone, founder and state director of the Arkansas Suspected Child Abuse and Neglect Volunteer Service, Inc.

Joseph L. Spear, child welfare specialist, Pennsylvania Department of Public Welfare, Office of Children and Youth.

John D. Lloyd-Still, M.D., assistant professor of pediatrics, Milton S. Hershey Medical Center.

Dr. Vladimir deLisovsky, professor of child development and family relationships, who is conference chairman.

Faculty members who may wish to hear these speakers may obtain further information concerning the schedule of the talks by calling Mrs. Patricia Bodman, conference coordinator, 865-7557.

The intention of the conference is to discuss current child abuse legislation in Pennsylvania and its significance to those who work with children in the private and public sectors.

The conference is a continuing education service of the College of Human Development.

Mueller elected

Ousey outstanding



Irish violence lecture Tuesday

The program is being sponsored by the West European Option Committee of the College of the Liberal Arts, which is responsible for supervising a program of studies in West European affairs that students may combine with their respective majors. Upon completion of this program, they receive a special certificate from the College of the Liberal Arts.

A variety of topics

Funding Opportunities

Exhibits

Staff vacancies

particularly looking for applicants who wish to conduct animal resource — related research and to prepare for careers in this area. For further information write to NIH, Div. of Research Grants, Bethesda, Md. 20014.

(176-12) National Library of Medicine invites applications for training grants in computer technology. Application deadline is June 1. For further information write to NLM at 8600 Rockville

University Park Calendar

May 1-11, 1975

Special Events

Thursday, May 1 — Musica da Camera, 8:30 p.m., Music Bldg. recital hall.
Thursday-Saturday, May 1-3 — University Theatre, "Dracula," 8 p.m., Playhouse Theatre.
Thursday-Saturday, May 1-3 — Orchestral annual Spring Dance Concert, 8:30 p.m., and matinee Saturday, 2:30 p.m., White Bldg. Dance Theatre.
Friday, May 2 — PSU Symphonic Wind Ensemble, 8:30 p.m., Music Bldg. recital hall.
Friday-Saturday, May 2-3 — African Studies Colloquium on "The South African Glimma," Friday, 7:30 p.m., Room 112 Kern; Saturday, 10 a.m., 112 Kern. Reception and film, afternoon and evening.
Friday, May 2 — Sports: Women's golf, vs. Ithaca, 3:30 p.m. Women's lacrosse, vs. Ithaca, 3:30 p.m.
Friday-Saturday, May 2-3 — "Teaching Conference" sponsored by Inter-Varsity Christian Fellowship, Black Christian Fellowship, and Campus Crusade for Christ, with Larry Tomczak and C. J. Mahaney; sessions Friday at 7:30 p.m., Saturday at 10 a.m. and 2 and 7:30 p.m., University Auditorium.
Saturday, May 3 — Guitar workshop, conducted by William Matthews, 3 p.m., Room 110 Music Bldg.
Saturday, May 3 — "New Perspectives" program by retiring Women's Students Organization, all day, Room 101 Kern. Registration at 9 a.m., principal speakers, Dr. Jane Berry, LaGuardia Community College, N.Y., at 9:45 a.m.; Jean Swenson, Temple University, 1:30 p.m.; panel

discussion at 2:45 p.m. on "Adults and Learners: Myths and Facts."
Saturday, May 3 — Nancy Ruffer, flute recital, 8:30 p.m., Music Bldg. recital hall.
Saturday, May 3 — Sports: Men's tennis, vs. Kent State, 2 p.m. Men's Golf Invitational Tournament, 1 p.m. Women's softball, vs. West Chester, 1 p.m.
Saturday-Sunday, May 3-4 — Chess Tournament, 9 a.m.-midnight, HUB main lounge.
Saturday, May 3 — Penn State Dairy Exposition "show day," Dairy Barns, 8 a.m.
Sunday, May 4 — Anne Flaherty, soprano, 3:30 p.m., Music Bldg. recital hall.
Sunday, May 4 — Sports: Golf Invitational Tournament, 1 p.m.
Sunday, May 4 — President's reception for International students, 3 p.m., Room 101 and 102 Kern.
Sunday, May 4 — GSA interest night, 7:30 p.m., Room 102 Kern.
Sunday, May 4 — Open-Air Art Show, 1-4 p.m., Pollock Quad.
Sunday, May 4 — Chapel Service, 11 a.m., Music Bldg. recital hall. Dr. James Cone, Professor of Theology, Union Theological Seminary.
Sunday, May 4 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.
Monday, May 5 — "Miss Black PSU" pageant organizational meeting, 7 p.m., Walnut Bldg.
Monday, Wednesday, and Friday, May 5, 7, 9 — "A Goody Theatre Troupe" in "The Gospel According to a Fool," 12:30 p.m., on the Mall in front of Pattee.

Monday, May 5 — Dr. James H. Cone, Union Theological Seminary, lecture on "Christian Faith and Political Liberation," 10 a.m., Room 112 Kern.
Monday, May 5 — Evening of Student Chamber Music, 8:30 p.m., Music Bldg. recital hall.
Monday, May 5 — Alice Neel, portrait painter, slide-lecture, 8 p.m., Room 112 Kern.
Monday, May 6 — Gallery talk, in connection with exhibit of ancient Peruvian ceramics, by Alan Sawyer, University of British Columbia, on "Communications from the Past," 10:30 a.m., Gallery A, Museum of Art, sponsored by the Friends of the Museum.
Tuesday, May 6 — Sports: Women's lacrosse, vs. Lock Haven, 3:30 p.m. Women's softball, vs. Lock Haven, 3:30 p.m.
Tuesday-Saturday, May 6-10 — University Theatre, "Dracula," 8 p.m., Playhouse Theatre.
Wednesday, May 7 — U.S. Armed Forces Bicentennial Band concert, 8 p.m., University Auditorium.
Wednesday, May 7 — Claremont Woodwind Quintet, 8:30 p.m., Music Bldg.
Wednesday, May 7 — Sports: Men's baseball, vs. Buffalo (2), 3 p.m.
Wednesday, May 7 — FSHA 401 "Rose of Switzerland" dinner, Maple Room, Human Development Bldg. For reservations, call 865-7441.
Wednesday-Saturday, May 7-10 — Penn State Theatrics, "Camelot," 8:30 p.m., Schwab. Saturday matinee, 2 p.m.
Thursday, May 8 — Panel discussion on "Grade Inflation: Its Relationship to

the Educational Process," 3:30 p.m., Room 121 Sparks. Sponsored by the Liberal Arts Student Affairs Committee.
Thursday, May 8 — Phi Delta Kappa, "Foreign Sabbatical Scholar's Report," 8 p.m., Room 101 Kern.
Friday, May 9 — Sports: Men's tennis, vs. Pittsburgh, 2 p.m. Women's golf, State Spring Invitational, 9 a.m.
Friday, May 9 — College of Business Administration Assn. Awards Ceremony, 5:30 p.m., Penn State Room, Nittany Lion Inn, Alumni, faculty and student awards.
Friday, May 9 — Russel Shipley, clarinet recital, 8:30 p.m., Music Bldg. recital hall.
Friday, May 9 — Commonsplace Coffee-house, 8 p.m., Room 112 Kern.
Friday, May 9 — Classical Guitar and Chamber Music Concert, 8:30 p.m., Room 112 Kern.
Saturday, May 10 — P. S. Model R.R. Club auction, 2 p.m., Room 203 HUB.
Saturday, May 10 — Sports: Golf, Women's Penn State Spring Invitational, 9 a.m. Men's golf, vs. Army and Colgate, 9 a.m. Women's tennis, vs. Ohio State, 9 a.m. Men's lacrosse, vs. Lafayette, 8 a.m. White football game, 2 p.m.
Sunday, May 11 — Penn State Glee Club Annual Mother's Day Concert, 3 p.m., University Auditorium.
Sunday, May 11 — Chapel Service, 11 a.m., Eisenhower Chapel. Rev. Charles Cokely, Program Director of Religious Affairs.
Sunday, May 11 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

Seminars

Thursday, May 1 — Agronomy, 8:30 a.m., Room 111 Tyson. Bill Stout on "Soil Fertility: Affecting Mg and K Uptake by Corn."
Thursday, May 1 — Mathematics, 4 p.m., Room 115 McAllister. B. Johnson on Analysis.
Thursday, May 1 — Biophysics, 4 p.m., Room 617 Life Science I, Dr. Donald Olick, New York Medical College, on "Intestinal Absorption of Compounds Injected into the Amniotic Cavity of Mammalian Fetuses."
Thursday, May 1 — Air Pollution Control, 3:55 p.m., Room 145 Fenske. David S. Natusch, University of Illinois, on "Physico-Chemical Factors Influencing the Health Impact of Airborne Particles."
Thursday, May 1 — Chemistry, 12:45 p.m., Room 333 Whitmore. Daniel E. Marlier, Georgetown University, on "Theory of Solute Retention and Selectivity in Gas and Liquid Chromatography."
Thursday, May 1 — Water Pollution Control, Kenneth M. Mackenhus, EPA, National Application Program, 2:30 p.m.
Room 105 Mech. Eng., on the Program.
Thursday, May 1 — Transportation Institute, 2:20 p.m., Room 189 Materials Research Lab. Ed Beacher, Director of Marketing and Communications, Port Authority of Allegheny County, on "Marketing Transit."
Thursday, May 1 — Computer Science, 4 p.m., Room 101 Altohouse. Webb Miller, on "Automatic Verification of Numerical Computations."
Thursday, May 1 — Man-Environment Relations, 4 p.m., Room 5-313 Human Development. Dr. David Glass, University of Texas, on "Behavioral Antecedents of Coronary Heart Disease."
Friday, May 2 — Statistics, 4 p.m., Room 69 Willard. Dr. Victor L. Wallace, University of North Carolina, "Numerical Markov Analysis of Computer Models."
Friday, May 2 — Ceramic Science, 9:45 a.m., Room 301 Mineral Industries. Hiroaki Yanagida, University of Tokyo, on "Texture Sensitive Electrical Properties of Ceramic Materials."
Friday, May 2 — Bioengineering, 11 a.m., Room 329 Electrical Engineering East. Robert M. Neren, Ohio State University, on "Hot-Film Anemometer Velocity Measurements in the Cardiovascular Systems."
Friday, May 2 — Analytical Chemistry, 2:30 p.m., Room 333 Whitmore. Dan H. Waugh, on "Peak Enthalpimetry and Thermometric Titrations of Thiols."
Monday, May 5 — New Communities, Architectural, 12 p.m., Room 322 Sackett. Dr. Edward A. Tullis, Human Ecology

Center, Room 101, on "Innovations in Educational Methods for Young People and Adults in New Towns."
Monday, May 5 — Horticulture, 12:45 p.m., Room 10 Tyson. William R. Faber on "Rejuvenation of the Greenhouse Rose."
Monday, May 5 — Genetics, 3:55 p.m., Room 111 Tyson. Ko Harada on "Recent Research on Differential Staining of Chromosomes."
Monday, May 5 — Inter-Science, 4 p.m., Room 333 Whitmore. Gustavo Gudkowicz, M.D., pathology, State University of New York at Buffalo Medical School, on "Immunities of the Hemopoietic-Histocompatibility (H-H) System in Mice: A Mechanism for Controlling Hemopoietic and Leukemia Cell Proliferation."
Monday, May 5 — Air Environment Studies, Room 145 Fenske. Dr. Cord Tjellen, Research Triangle Institute, Office of Humus Management, Federal Research Station for Agriculture, Braunschweig, West Germany, on "Land Treatment of Municipal Waste Water, Sludge Disposal and Compost Research, Braunschweig, W. Germany."
Tuesday, May 6 — Clinical Psychology, 1:15 p.m., Room 351 Moore. Dr. Douglas N. Jackson, University of Western Ontario, on "The Measurement of Personality."
Tuesday, May 6 — Electrical Engineering, 2:20 p.m., Room 329 Electrical Engineering East. Dr. M. A. Saifi, Western Electric, on "Industrial Applications of Lasers."
Tuesday, May 6 — Plant Pathology, 9:45 a.m., Room 213 Buckhout. Mark Bookbinder on "Weather Control in Agriculture."
Tuesday, May 6 — Solid State, 1 p.m., Room 330 Dave. Dr. J. E. Rowe, Bell Telephone Laboratories, Murray Hill, on "Photoemission from Semiconductors."
Tuesday, May 6 — Solid Waste Management, 2:20 p.m., Room 140 Fenske. George Aitkin, Jr., Resident, Northwest Engineers, Inc., Tidoups, on "Should Public Acceptance Imply Compbat Pay for Consulting Engineers?"
Tuesday, May 6 — Physiology, 3:45 p.m., Room 111 Life Science. L. Wolinsky, Nutrition Program Human Development, on "Adaptation to Low Dietary Calcium Intakes in Rodent Species."
Tuesday, May 6 — Chemical Engineering, 3:45 p.m., Room 140 Fenske. J. M. Prausnitz, University of California, on "Some Applications of Molecular Thermodynamics for Chemical Process Development and Design."
Tuesday, May 6 — Engineering Science and Mechanics, 4 p.m., Room 215 Hammond. Dr. Douglas L. Jones, civil, mechanical and environmental engineer-

ing, George Washington University, on "Investigation of the Edge Sliding Mode in Fracture Mechanics."
Wednesday, May 7 — Biochemistry, 4 p.m., Room 101 Altohouse. Dr. William Held, Rosewell Park Memorial Institute, on "Assembly of Bacterial Ribosomes."
Wednesday, May 7 — Remote Sensing, 2:20 p.m., Room 225 Electrical Engineering West. Dr. Robert L. Cunningham, soil genesis, and Larry Hepper, agronomy, on "Computer Augmentation of Soil Surveying."
Thursday, May 8 — Physics, 3:45 p.m., Room 117 Osmond. Carl W. Wernitz, Catholic University, on "Puzzles in Plon-Nucleus Reactions."
Thursday, May 8 — Transportation Institute, 2:20 p.m., Room 189 Materials Research Lab. Eric Hirst, Director of Office of Transportation Research, Federal Energy Administration, on "Energy Policy and Transport Demand."
Thursday, May 8 — Agronomy, 8:30 a.m., Room 111 Tyson. Wesley Mason on

"Genetic Variation of Protein, IMVD, and Morphological Traits of Orchardgrass."
Thursday, May 8 — Microbiology, 1 p.m., Room S2 Frear. Dr. Vernon F. Kalb on "A New Method for Measuring Protein Concentration." At 4 p.m., Room S2 Frear, Dr. S. V. Shestakov, M. V. Lomonosov, Moscow State University, on "Cell Division Mutants of Blue Green Algae."
Thursday, May 8 — Air Pollution Control, 2:20 p.m., Room 145 Fenske. Heinz Engbrecht, Technical Director, Wheelabrator-Frye, Inc., Pittsburgh, on "Electrostatic Precipitator Technology."
Thursday, May 8 — Mathematics, 4 p.m., Room 115 McAllister. D. A. Marlin on Logic.
Friday, May 9 — Physical Chemistry, 4 p.m., Room 333 Whitmore. K. Canerio (temporarily at Brookhaven National Lab.), on "Neutron Scattering from Adsorbed Gases."
Friday, May 9 — Analytical Chemistry, 2:30 p.m., Room 333 Whitmore. Dr. Arthur F. Findeis, N.S.F.

Lecture

Thursday, May 1 — Sigma Xi Spring Lecture Series, 8:30 p.m., Room 112 Kern. Dr. Jean Carver, Harvard University, Laboratory of Human Development, on "Effects of Environment on Intellectual Development of Young Children."
Thursday, May 1 — German Studies Lectures, 7 p.m., Room S207 Human Development. Dr. Dan P. Silverman, history, on "Power versus Ethics: The German Dilemma."
Tuesday, May 6 — "The Violence in Ireland, What Next?" by Alan J. Ward, Willard and Mary College, 7:30 p.m., HUB assembly room.
Monday-Thursday, May 5-8 — Annual Priestley Lectures, Dr. Michel Boudart, professor of chemical engineering and chemistry Stanford University. Monday, May 5, 8 p.m., Room 115 Electrical Engineering West, on "Titration of Surface Sites." Tuesday, May 6, 8 p.m., Room 115 Electrical Engineering West, on "Turnover Numbers of Catalytic Sites." Wednesday, May 7, 8 p.m., on "Geometric or Structural Effects," in Room 333 Whitmore. Thursday, May 8, 3 p.m., Room 112 Kern, on "Electronic or Ligand Effects."

Official

Monday, May 5 — First day for signing NDSL, SEOG, BEOG, and University Long Term Loans, Room 108 Shields. Last day, Wednesday, May 7.

Meetings

Monday, May 5 — Special meeting, University Faculty Senate, 7 p.m., auditorium, J. O. Keller Bldg to consider the report on Senate Committee Structure.
Monday, May 5 — USG Senate, 7 p.m., HUB assembly room.
Tuesday, May 6 — ARHS, 7 p.m., Room 203 HUB.
Tuesday, May 6 — University Faculty Senate, 1 p.m., Room 112 Kern. (Note earlier starting time.)
Wednesday, May 7 — Engineering Undergraduate Council, 7:30 p.m., Room 207 Sackett.
Tuesday, May 6 — GSA Council, 7 p.m., Room 101 Kern.
Tuesday, May 6 — College of Education faculty luncheon, 12:30 p.m., Room 101 Kern.
Wednesday, May 7 — Graduate Council, 2:30 p.m., Room 101 Kern.
Wednesday, May 7 — USG Academic Assembly, 7:30 p.m., Room 351 Willard.

Films

Thursday-Sunday, May 1-4 — Centre Cinema, "Dr. Zhivago," Thursday and Sunday, 7 p.m., Friday and Saturday, 6:45 and 10:15 p.m. — Friday in Simmons, Friday-Sunday, Room 102 Form.
Wednesday, May 7 — Commonsplace Theatre, "Glant," 7:30 and 9:30 p.m., Room 112 Kern.

Alice Neel to give illustrated talk

Portraitist Alice Neel will present an illustrated lecture at 8 p.m. Monday, May 5, in Room 112 Kern Graduate Bldg. at the University. She is one of the resource persons of the "Women and Creativity" course.

Neel, who last winter had a one-woman show at the Whitney Museum of American Art, has recently won the Childe Hassam Award, the National Endowment Award, the Benjamin Altman Award and the American Academy of Arts and Letters Award.

Born in Philadelphia, she was graduated from the Philadelphia School of Design in 1925 and worked as an artist on a series of W.P.A. projects throughout the 1930s. During this period, her subjects included Kenneth Fearing, the novelist and poet, and Joe Gould, Greenwich Village's most picturesque character.

She has painted everyone from Andy Warhol to Linus Pauling, and her work lives in private collections and museums throughout the country.

Neel's lecture, which is open to the



Alice Neel, portraitist, to lecture.

public, is sponsored by the Institute for the Arts and Humanistic Studies and the Graduate Student Association.

NEWS —

(Continued from page one)

37 the author of four books translated into five languages, will visit the University Park campus Sunday and Monday, May 4-5, giving a chapel service sermon and two lectures.

At 3 p.m. Sunday, Dr. Cone will give a talk on "The Religious Dimension of the Spiritual and Blues: An Interpretation" in the large lounge of the Helen Eakin Eisenhower Chapel.

Monday, May 5, at 10 a.m., he will give a public lecture on "Christian Faith and Political Liberation" (with special emphasis on women's liberation, Asian, and South American) in Room 112 Kern.

Sunday evening he will meet informally with faculty of religious studies and guests at the home of Charles L. Coleman, program director in religious affairs.

MEDEX ACCREDITED

The MEDEX Pennsylvania program at the Hershey Medical Center has been accredited by the American Medical Association Council on Medical Education. The program has held provisional accreditation since its establishment in 1973 and became eligible for full accreditation with the graduation of its first class in 1974. The program consists of 15 months of classroom and clinical training at the Medical Center and with physician preceptors. It is designed to train students as physician extenders.

RETIRED STAFF CLUB

The 170th meeting of the Penn State Retired Staff Club will be held Thursday, May 8, at 8:30 p.m. in the St. Andrews Episcopal Church Parish Life Center. Reservations for the buffet dinner should be made with Mr. and Mrs. F. H. Leuschner, 237-3393, by May 5. Dr. Robert Patrick will speak on "Hobbies."

BEAVER EXHIBIT

The annual Spring Art Exhibit and Sale, the tenth, will be conducted May 3-4 at Beaver Campus. Ribbons will be awarded to winners in each media category, and a best-of-show award will be made. The program also includes musical performances by a classical guitarist and folk guitarist Saturday afternoon, a concert by a recorder ensemble featuring 14th and 15th century chamber music Saturday evening, and a brief concert by the Beaver Campus Choral to complete the day. A reception for the artists will be held Sunday from noon to 5 p.m.

CAPITOL SUMMER

A summer education course that includes a two-week trip to England will be given by Capitol Campus, beginning June 9. The trip will take place June 16 through July 1. Students will explore British teaching methods for possible use in American classrooms by observing and participating in classes at Nottingham. The six-credit course, taught by Dr. David Onghiri, assistant professor of education, is limited to 40 people.

STUDENT ART

The third annual Art Student Show, the product of a year's work by students in the Department of Art, will be exhibited from May 5 to 24 in Zoller Gallery. The

end-of-the-year exhibit contains work done in all of the eight areas of art instruction, including ceramics, foundation design, graphic design, painting, photography, drawing, print-making, and sculpture. Faculty in each field make the selections from submission by students for inclusion in the show. Some 100 works are expected to be on view in the exhibition, open weekdays from 8 a.m. to 5 p.m. and weekends from noon to 5 p.m. in the gallery opposite the Museum of Art in the Visual Arts Bldg.

BERKS FOLK ART

Students at the Berks Campus will sponsor a Folk Art Festival May 10, with a book sale, music, games, art and crafts exhibits, astrology reading, films and caricature sketching. All these events are free and open to the public, but the "pot luck" supper at 6 p.m. will require a contribution of food to feed four to six people. Following supper, the Berks Campus Penn Players will present their melodrama, "Ten Nights in a Barroom."

AFRICAN ARTS

A panel exhibition of silk-screen reproductions of examples of the plastic arts of Africa south of the Sahara is currently on display on the first floor of the Hetzel Union Bldg. and will remain until May 25. The HUB Arts and Crafts Committee is sponsoring the exhibit.

The exhibition looks at the history and development of art across the diversity of the African continent. Research for the exhibit was conducted by three experts on African Art: Mme. Jacqueline Delange, formerly head of the African section of the Musee de l'Homme, in Paris; Philip Fry, curator of the Winnipeg Art Gallery, in Canada; and Manga Bekombo, of the French National Centre for Scientific Research.

On 34 panels, there are 132 individual illustrations.

DRACULA OPENS

William Kelly, formerly a producer/director for WPSTV and now a graduate student in theatre arts, is directing the legendary "Dracula the Vampire Play," based on the novel by Bram Stoker, which opens at Playhouse theatre today (May 1) and continues May 2-3 and 6-10. Curtain is at 8 p.m. The play deals with legend (or fact) surrounding Dracula, the Vampire, or VIOVODE VLAD TEPEȘ. Tickets may be reserved by calling 865-1884 or at the Playhouse box office.

BEHREND PLAYERS

The spring production of the Behrend (College) Players will be the Lansford Wilson play, "The Rimers of Eldritch," to be performed May 7-10 and 14-17 in the Studio Theatre. This is Wilson's award-winning play which gained the Drama Desk-Venue Rice Award for Best Play of 1967. It was first performed at the La Mancha Experimental Theatre Club in New York in July 1966, subsequently being performed at the Cherry Lane Theatre. The cast and crew for the play are all Behrend students. Arno Selco, instructor in theatre and film, directed and designed the production.

Grade Inflation Panel discussion

A panel discussion on "Grade Inflation: Its Relationship to the Educational Process" will be held at 3:30 p.m. Thursday, May 8, in Room 121 Sparks Bldg.

The program is sponsored by the Liberal Arts Student Affairs Committee, and all interested persons are invited to attend.

Dr. Eloise C. Snyder, professor of sociology and chairperson of the Student Affairs Committee, will open the meeting, which will be moderated by Dr. Robert S. Friedman, professor and head of the Department of Political Science.

Panel members include Dr. James B. Bartoo, dean of the Graduate School; Dr. Eugene N. Borza, associate professor of history; Frank Muraca and Kathleen Pavello, student representatives; and Dr. William Rabinowitz, professor of educational psychology.

Before House Committee

President argues for appropriations

Dr. John W. Oswald, president of the University, last week argued approval of the 1975-76 appropriation request of the University, including a restoration of the 20 per cent cut in the research appropriation proposed in the Governor's budget.

He emphasized at the hearing before the House of Representatives Appropriations Committee that Penn State's request for \$114.5 million is designed to achieve six major objectives, essential for the continued effective operation of the University.

The objectives are to:

—Cope with the inflated costs of operation.

—Provide equitable salary increases.

—Meet mandated State Retirement and Social Security costs.

—Keep Penn State open to the average Pennsylvania family by holding down tuition increases.

—Improve the medical education per capita reimbursement which has gone four years without an increase.

—Restore research and extension program levels.

"We are deeply aware of the difficult financial problems faced by you and the several to the present," President Oswald emphasized to the House. "We are attempting to do everything we can to deal with the fiscal realities."

"Nevertheless, it is especially critical that we communicate to you the serious problems for Penn State that would be created by an appropriation at the level proposed in the Governor's budget document."

The amount recommended is \$14 million short of the appropriation requested.

President Oswald expressed special concern over the potential impact of the recommended reduction of 20 per cent (\$3.4 million) in the 1975-76 research appropriation. He emphasized that the cut would actually mean a 30 per cent reduction in the organized research program when inflation is considered.

"This cut is a direct assault on one of the most important purposes and strengths of the University—strengths which are essential to Penn State's unique mission among the public institutions in Pennsylvania, including support of agriculture, mineral industries and industrial development."

Variety of music programs in offering

The Annual Mothers' Day Concert by the Penn State Glee Club will feature a guest soloist, the Hi-Lo's, and two barbershop quartets at 3:00 p.m. on Mothers' Day, Sunday, May 11, in the University Auditorium.

Directed by Bruce Trinkley, assistant professor of music, the group will perform Brahms' "Alto Rhapsody" for alto and men's voices with soloist Kathryn Cowdick, a senior in speech pathology and audiology from Allentown. Miss Cowdick will also sing the Brahms' "Lullaby."

Religious songs by such composers as Billings and Persichetti, "Desolation" by Richard Victor, graduate student and assistant Glee Club director, and a selection from Thompson's "Testament of Freedom," with text by Thomas Jefferson, will be performed.

The Hi-Lo's, 12 selected voices from the group, and two barbershop quartets made up of Glee Club members will sing traditional favorites.

One of the few original wind quintets written in the Romantic period will be among works performed in concert by the Claremont Wind Quintet at 8:30 p.m. Wednesday, May 7, in the Music Bldg. recital hall at the University.

"It comes at a time when the needs for research to solve the problems facing Pennsylvania and the Nation are more demanding than ever. To cut programs now would be a questionable economy. Indeed, in some cases, it could make meaningless several years of intensive investigation which is not yet complete and impair long-range prospects for needed technological breakthroughs. Such cuts could also damage the economic stability and weaken the basic academic strengths of the University."

Emphasizing the need to keep Penn State open to the people of Pennsylvania, Dr. Oswald noted that his appropriation request was based on a strong policy intention to avoid a tuition increase in 1975-76. He reminded the Committee that Penn State tuition is already among the highest in the Nation for a state university.

"With the University primarily dependent on two sources of revenue, State appropriations and tuition, a substantial tuition increase will be unavoidable if appropriation amounts are under the amounts considered essential," Dr. Oswald said.

Turning to the University's costs for State Retirement and Social Security benefits for employees, President Oswald said that the cost for the coming fiscal year is expected to rise \$4.8 million.

The requested increase in appropriation for medical programs, \$2.4 to \$3.4 million, is based on an increase in per capita rate, which has not changed in four years, although the per capita amount of 1971-72 has less than 83 per cent of the purchasing power today because of inflation.

An inadequate appropriation presents critical problems in other areas, too, Dr. Oswald emphasized. These include:

—Nursing programs, a high priority item which should be at least commensurate with those received by personnel in other educational institutions, government, and private industry in the Commonwealth.

Costs for additional fuel and utilities, up \$2 million in the past year, and increased conservation efforts now in effect.

Cost of goods and services necessary for departmental operations, a problem becoming more critical because most departmental budgets have been reduced in recent years and cannot be further cut without seriously affecting the University's programs.

Contemporary quintets by Dutch composer Henk Badings and Brazilian Heitor Villa Lobos will also be performed.

William Matthews, an international musician who performs on the lute and the guitar, will conduct a guitar workshop at 3:00 p.m. Saturday, May 3, in Room 110 Music Bldg.

Active as a tree-lance guitarist in New York City, Matthews has appeared with the Metropolitan Opera and the Contemporary Chamber Ensemble under such conductors as Pierre Boulez and Karl Bohm. He has taught at Columbia University and the Manhattan School of Music.

The workshop at the University, sponsored by the Department of Music and open to all interested persons, will feature discussions of various aspects of guitar technique and performance demonstrations of these techniques.

PENN STATE intercom

Volume 4, Number 34

May 8, 1975

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule



Elaine de Kooning, lectures May 13.

Painter lectures

Elaine de Kooning, a noted abstract painter, will give a slide-illustrated lecture Tuesday, May 13, at 8 p.m. in Room 112 Ken Graduate Bldg.

She is the last speaker to be brought to campus under the auspices of an experimental "Women and Creativity" course, and her appearance is co-sponsored by the Graduate Student Association and the Institute for the Arts and Humanistic Studies.

Currently lecturing at Parsons School of Fine Arts in New York City, Ms. de Kooning has held professorships at a number of institutions, including the University of New Mexico, Yale, Pratt Institute, the University of California at Davis, Carnegie-Mellon — where she held the Mellon Chair — and the University of Pennsylvania. She taught at Penn State in 1960.

Although Ms. de Kooning is perhaps best known as an abstract artist, she has also painted a number of portraits. She spent five weeks in Palm Springs, Fla., in 1962-63 sketching the late President John F. Kennedy from life. Her subjects have ranged from Allen Ginsberg and Joseph Hirschhorn to Casey Stengel.

McKay Donkin Award nominations are sought

The Committee appointed by President Oswald for the purpose of recommending candidates for the McKay Donkin Award requests assistance in nominating persons eligible for the award.

The award was established in 1969 in honor of the late McKay Donkin, who served as Vice President for Finance and Treasurer of the University from 1957 to 1968. It is to be awarded to the full-time member of the faculty, staff or retiree who has contributed most to the "economic, physical, mental or social welfare of the faculty" of the University.

The contribution of the nominee should be for duties or services which are above and beyond his regularly assigned duties. The award consists of \$500 and a certificate. Previous awarders have been William G. Mather, Ernest B. McCoy, Samuel C. Blazer, Eugene Wettstone, and Kenneth L. Holderman.

Recommendations for the award should be sent to any member of the Committee by Monday, May 19, 1975. Included with any recommendation should be information supporting the basis for the recommendation.

Committee members are Ray T. Fortunato, 108 Willard Building; G. Edward Phillips, 409A Business Administration Building; Stuart Forth, 505A Pattee Library.



HEALTH FAIR NOW IN SESSION — One of the current attractions at the 1975 Health Fair going on in the Hazel Union Building bathroom (concluding today, May 8) is this booth on Nutrition, in the charge of (seated) Dr. Simone Adams, assistant professor of medical dietetics, and (standing) Kelly Hamechek, graduate student in nutrition, Marion Hammond, instructor in nutrition, and Twila Zahner, graduate student. The Fair provides many services and much printed information on a broad range of health subjects. It is open to the general public, without charge, made possible by the cooperation of many health organizations, student groups, and University departments, including the Rittenour Health Center.

Renaissance fund needs faculty aid

The special problems of Penn State's Renaissance Scholars are probably better understood by A. M. Wellington, director of this special financial aid fund that helps the scholars, than by any other one person except the scholars themselves. So when he says this year, more than ever, the Renaissance Scholars Fund needs new help, he has good reasons for saying so.

Some of those reasons will show up in a special article in the Centre Daily Times tomorrow (May 9) featuring some of the scholars and information about the program. It will also say that Penn State people generally have a big stake in the Fund — faculty, staff, students, and alumni as well as some friends who have no other connection with the University than a desire to help needy students.

There are two very essential qualities for a student to become part of the Program — demonstrated scholarship and documented need. Pennsylvania has many who can qualify, and with economic conditions at their lowest in many decades, the number of students applying to the Program for help is increasing fast.

"And it is easy to demonstrate their scholarship," Wellington says. "The current group of scholars has a grade point average of over 3.00. Nineteen made the dean's list in the Winter Term and one girl was graduated with a 3.89 All-University average and a perfect score for all of her final nine terms."

College expenses, Wellington points out, will be up 10 to 20 per cent next year; the Renaissance Scholars are affected by rising costs just the same way other students are.

For 1975-76, a realistic goal, in terms of need, is \$100,000; in terms of supply, the University community will have a big part in determining the Fund's success. Con-

(Continued on page four)

For one year only

Calendar announced for '76-'77

An academic calendar for 1976-77, continuing the present four-term system for one additional year, was announced this week by Dr. John W. Oswald, president of the University.

"Any permanent change in the basic academic calendar that might emerge from the recommendations of the Calendar Commission will not take place before the Fall of 1977," Dr. Oswald said, explaining that more study and consultation are necessary.

In extending for another year the present academic calendar, Dr. Oswald noted that it has been modified so as to implement a change adopted by the University Faculty Senate on March 4 with regard to final examinations.

The Senate had asked the President to implement the following action beginning with the Fall Term, 1976:

"An examination shall be given in the final examination period for each undergraduate course (including 400 level) except for practicum or laboratory courses. In no case may an examination covering the entire course be given outside the final examination period. For examinations of a more limited scope, an exception to this rule may be granted by the head of the Department or Division offering the course

for justifiable academic reasons. Such actions shall be reported to the dean of the College."

"Because six days are needed for scheduling final examinations for all courses, it was not possible to begin the Fall Term after Labor Day and end the Spring Term by June 1," Dr. Oswald said. "Therefore, I chose the option of beginning a week before Labor Day rather than ending in the middle of June."

A calendar for Summer Term, 1977, will be published later, when a long range decision about the calendar beginning with Fall, 1977, is made, President Oswald said.

The detailed calendar for June, 1976, through May, 1977, follows:

Summer Term 1976

Sunday, June 6 — Arrival Date (ten-week term)
Monday, June 7 — Orientation and Advising (ten-week term)
Tuesday, June 8 — Registration (ten-week term)
Wednesday, June 9 — Classes begin, 8 a.m. (ten-week term)
Monday, July 5 — Independence Day Recess, no classes (ten-week term)

Tuesday, July 6 — Arrival Date (six-week session)
Wednesday, July 7 — Registration (six-week session)
Thursday, July 8 — Classes begin 8 a.m. (six-week session)
Wednesday, August 14 — "Classes End 9:55 p.m. (ten-week term and six-week session)
Thursday-Saturday, August 19-21 — Final Examinations (ten-week term and six-week session)
Saturday, August 23 — Commencement (*Monday, July 5, 1976, classes will meet according to schedule on Wednesday, August 16, 1976)

Fall Term 1976

Monday, August 30 — Arrival Date
Tuesday, August 31 — Orientation and Advising
Wednesday to Friday, September 1-3 — Orientation and Advising
Wednesday to Friday, September 1-3 — Registration
Monday, September 6 — Labor Day Holiday (No classes)
Tuesday, September 7 — Classes Begin 8:00 a.m.
Monday, November 15 — Classes End 9:55 p.m.
Tuesday to Monday, November 16-22 — Final Examinations
Thursday, November 25 — Thanksgiving
Saturday, November 27 — Commencement

Winter Term 1977

Sunday, November 28, 1976 — Arrival Date
Monday, November 29 — Orientation and Advising
Tuesday, November 30 — Registration
Wednesday, December 1 — Registration
Thursday, December 2 — Classes Begin 8:00 a.m.
Wednesday, December 22 — Winter Term (Christmas-New Year's) Recess begins 9:55 p.m., (continues to Sunday, January 2, 1977)
Monday, January 3 — Winter Term Classes Resume 8:00 a.m.
Saturday, February 19 — Classes End 12:25 p.m.
Monday to Saturday, February 21-26 — Final Examinations
Saturday, March 5 — Commencement

Spring Term 1977

Tuesday, March 8 — Arrival Date
Wednesday, March 9 — Orientation and Advising
Thursday and Friday, March 10-11 — Registration
Monday, March 14 — Classes Begin 8:00 a.m.
Saturday, May 21 — Classes End 12:25 p.m.
Monday to Saturday, May 23-28 — Final Examinations
Saturday, June 4 — Commencement

Honors



When this picture was taken, it was Major Robert C. Fischer (center), officer-in-charge of the R.O.T.C. Training Corps Unit at the Altoona Campus, receiving an award given by the Freemason Foundation, Valley Forge, from Col. C. T. Kirkwood, professor of military science at University Park (left) and Jack Zubrod, Altoona Campus interim director. A few days later, he was promoted to lieutenant colonel in the U.S. Army. The award was given to Col. Fischer for his entry in the Foundation's Armed Forces letter-writing contest on the theme, "Human Goals: The Advancement of Human Dignity." In 1973, he won a George Washington Honor Medal and cash award in the same contest.

Jack G. Zubrod, interim director of the Altoona Campus, and Joyce Kipp, assistant professor of speech, were honored by the Altoona Student Government Association in a ceremony April 27 on the campus in which 23 students also received honors. Zubrod, who joined the Central Extension staff in 1946 as instructor at the DuBois Campus, was named assistant professor of botany in 1951 and in 1957 added the title of assistant administrative head of the Altoona Campus to his title. The students honored him with the Outstanding Administrator Award.

Mrs. Kipp, who was given the Outstanding Faculty Award, has been a member of the Altoona Campus faculty since 1965, teaches speech and theatre arts courses and is responsible for many dramatic productions on the campus.

Dr. Peter G. Fishburn, research professor of management science, has been elected as a Fellow of The Econometric Society, an international society for the advancement of economic theory in its relation to statistics and mathematics. He has been an associate editor of the society's journal "Econometrica" since 1972.

Dr. Gerard J. Brault, professor of French, has been informed of his promotion to Officer in the Ordre des Palmes Academiques. The decoration was awarded by decree of the French Ministry of Education dated February 14, 1975, for services rendered to French culture. Dr. Brault is the author of numerous books and articles dealing with French language and literature.

ture and is internationally known for his research in the medieval field. In 1972, he was elected to the Academie Internationale d'Heraldisque; in 1973, he was elected vice president of the Societe Rencessaux, an international society devoted to the study of the medieval Romance epic; and, in 1974, he was elected a Fellow of the Society of Antiquaries of London. Earlier he had held the rank of Chevalier in the Ordre des Palmes Academiques.

Edward A. Sukowski, who has served as an athletic trainer at Penn State since 1948 and was Penn State's last boxing coach before the sport was dropped as an intercollegiate activity, has been named to the Athletic Trainers Hall of Fame. He will be inducted at the annual banquet of the National Athletic Trainers Association on June 10. He is assistant professor of health and physical education.

Death

Mrs. Marion S. McDowell, who retired from the University in 1952 as associate professor of family relations after 24 years of service, died in Bridgeport, Conn., April 27. She was born in Warren, Pa., in 1887. She began her teaching career in 1924 as assistant to the superintendent of the Donora, Pa., public schools and taught also at Indianapolis Teachers College. In her years at Penn State she was director of the nursery school in addition to teaching. After retiring from the faculty, she taught at the University of Kentucky for five years and at Murray College, in Kentucky, for another year.

Mrs. Lemabel C. Parry, who retired in 1970 from the Agricultural Extension staff as Susquehanna County Extension home economist, died April 26; she was 71. She served as Millville County home economist from 1954 to 1957 before transferring to Susquehanna County. A native of Massachusetts, she was graduated from Framingham State College, with a B.S. in education.

In Writing

Dr. Robert Brubaker, professor of speech communication, is one of the authors of "Comparative Studies Between Normal and Language Disturbed Children," Supplement 323, Acta Otolaryngologica, Stockholm, Sweden, a 32-page monograph report on the perceptual processing of language-related stimuli by normal and language-handicapped children. The research was conducted at the St. Gallen Medical Academy in Switzerland with Drs. F. Aftoller and W. Bischofberger under a grant from the Swiss National Foundation for Scientific Research. Drs. Aftoller and Bischofberger are associated with the St. Gallen Medical Academy.

"Assess Training Competencies." This information has been distributed. (Ref. 40 FR 17393-17403, 4/18/75) (CFOA 13.563)

(17-7) The Office of Education has issued rules and regulations for its Fellow Through Program aimed at researching experimental community services that spur child development. Included in the program are provisions for grants and contracts for technical assistance and for demonstration. Technical assistance is aimed primarily at local follow-through projects and demonstrations for approaches to the education and development of handicapped children which can serve as a model. This information has been distributed. (Ref. 40 FR 17711-21, 4/21/75) (CFOA 13.433)

(17-7) Facilities in non-compliance with clean air and water standards may not be used for federal contracts, grants, or loans according to regulations issued by the Environmental Protection Agency. This information has been distributed. (Ref. 40 FR 17723-26, 4/16/75)

(17-7) As a point of information to Penn State faculty, an important part of foundation and corporate resource information is obtained through the PSI Office of Gifts and Endowments. OGE subsidizes to all current foundation and corporate funding source information including the Total Information System; The Foundation Directory; S & P Register of Corporations and GFAC Cookbook; Corporate Support of Higher Education. Many funding source information requests are processed through OGE and the Office of Federal Programs in Washington depending upon the type of funding needed.

(17-7) Rural community fire protection will be the focus of the most recent round of funding grants for rural fire protection (training and equipment). This information has been distributed. (Ref. 40 FR 17508-67, 4/21/75)

(17-7) The Fulbright-Hays Grants for University Lecturing and Research Abroad by American programs for 1976-77 have been announced by the Council for International Exchange Scholars. Applications should be made by July 1, 1975. Travel only grants should also be filed by that date except for Israel (Sept. 1, 1975)



Service Award for Dr. Matson

Dr. Frederick R. Matson (second from left) was the first person, in a manner of speaking, to have to wear the 25-Year Service Award plaque and Penn State Chair. Dr. Matson, who is research professor of archeology, had delivered a lecture to the Central Pennsylvania Society of the Archaeological Institute of America on April 24 just before those assembled retired to the Hillary Lion Inn for a reception and award ceremony. Presenting the plaque to Dr. Matson is Dr. Warren Morrill, head of the anthropology department, with Dr. Stanley Paulson, dean of the College of the Liberal Arts, (left) and Dr. Margaret Matson, professor of sociology and social welfare, adding to the ceremony. Dr. Frederick Matson joined the faculty in 1948 as professor of ceramics, coming from the Armstrong Cork Co., where he headed the glass section of the research laboratories. Earlier he had served as assistant curator of ceramics at the Museum of Anthropology, University of Michigan. A graduate of the University of Illinois, he received advanced degrees from the University of Michigan. In 1953, he was named professor of archeology, and in 1957 he was appointed assistant dean for research, College of the Liberal Arts, and administrative director of the Social Science Research Center. He has done extensive archeological work in the Near East and Egypt, and much of his research has been directed to the field of ceramics in archeological studies. His most recent honor, of the great many that he has received, was his election as President of the Archaeological Institute of America for a two-year term. The Institute, with a membership of over 6,000, has affiliated schools in Serie Fe, Rome, Athens, Ankara, and Tahrer. He is currently a research collaborator at the Brookhaven National Lab, working on neutron activation analysis of clays and pottery.

Music is in the air this week

James Benshoff, assistant professor of music, will conduct the Penn State Brass Choral in a program of music ranging from 16th century to contemporary in origin, Wednesday, May 14, at 8:30 p.m. in the Music Bldg. recital hall. A Gabrieli sonata will be followed by Samuel Barber's "Mutations." A graduate student in organ, Yasuko Koya Ohmoto, will join the brass for Daniel Pinkham's "Concertante for Organ and Brass." Compliments of the program will be contemporary works by Otto Ketting, Walingford Riger, Walter Hartley, and Eugene Bozza.

On Saturday, May 17, the University Symphony Orchestra, directed by Dr. D. Douglas Miller, assistant professor of music, will play Beethoven's Eighth Symphony, Wagner's overture to the Ring Cycle, "Evening Prayer and Dream Panitome" from Engelbert Humperdinck's Hansel and Gretel opera, and Rimsky-Korsakoff's "Capriccio Espagnol." The summer concert work will be conducted by Ronald Scholer, assistant conductor of the Symphony and also graduate student in music education. He is conductor of the Harrisburg Youth Symphony. The program is at 8:30 p.m. in University Auditorium.

As part of the program on Mother's Day, May 11, by the Penn State Glee Club, The Uncellad Four, barbershop quartet, will sing. The quartet consists of Anthony De Marinis, Bill Anderson, Jerry Zingler, and James Goldin. The program will also feature the Hi-Lo's, a glee soloist, and a variety of vocal music by the Glee Club directed by Bruce Trimbly. The program is at 3 p.m. in University Auditorium.

Provisional information is available from CIES, 2101 Constitution Ave., NW, Washington, D.C. 20018 (202-383-6627). Other Fulbright-Hays programs for which application may be made are: Graduate Study and Predoctoral Research Abroad (see 17-5 and Teaching in Elementary and Secondary Schools and Summer Seminars Abroad (202-245-2553) plus Doctoral Dissertation and Faculty Research Award (202-453-2556) (Contact: U.S. Office of Education, OHEW, Washington, D.C. 20002) (Ref. CIES announcement) . . . Criteria for funding Fulbright-Hays Training Grants have also been released (Doctoral Dissertation and Faculty Research Abroad, Group Projects Abroad, and Foreign Curricular Consultants). This has been distributed (Ref. 40FR18020, 2/24/75) (CFOA 13.438-439-441)

(17-2) The Office of Education (Right to Read) Reading Academy Program has a June 3, 1975 deadline date. Grants for these programs are made to provide exemplary reading assistance and instruction for functionally illiterate out-of-school youths and adults not reached through other reading programs. This information has been distributed. (Ref. 40FR18551-56, 18575-76; 4/29/75) (CFOA 13.533)

(17-3) Rules and regulations for Office of Education Staff Adult Education Programs have been issued since information about special experimental demonstration projects and teacher training. This information has been distributed. (Ref. 40FR1749-60, 4/23/75) (CFOA 13.400)

(17-4) A major meritoric education conference "Successful Experiences in Teaching Mathematics" will be held at the Commerce Department's National Bureau of Standards (NBS), Gaithersburg, Md. on May 20-21, 1975. For more information contact the Math Education Office, NBS, Washington, D.C. 20234 (201-921-2600). This has been distributed. (Ref. CBO 4/2/75) (OPF Notes 4/21/75)

REMINDER AND DEADLINE DATES

May 15/Apr. 15: 1975 15th NIA Public Media Program (March 20 INTERCOM 17-12) . . . May 16 for OGE Prestegation of Public Education (April

3 INTERCOM 17-13) . . . May 19 for OGE Educational Television Projects (April 17 INTERCOM 17-5) . . . May 22 for NSF/RANN Energy Storage Research (April 24 INTERCOM 17-6) . . . June 1 for Exxon Education Foundation (April 24 INTERCOM 17-6) . . . June 1, Oct. 1, Feb. 1 for several NIH programs (April 17 INTERCOM 17-1) . . . June 1 for HRA Research projects (April 24 INTERCOM 17-6) . . . June 1 for HVA projects (April 24 INTERCOM 17-6) . . . June 1 for NEH Consultants Grant Program (May 1 INTERCOM 17-2)

Staff vacancies

University faculty or staff members who are interested in any of the staff exempt or staff non-exempt jobs listed below may apply by calling Employment Division, 885-1387 (Network Line 401-1387). Do not contact the area having the vacancy. Applications will be accepted until 5 p.m.:

THURSDAY, MAY 15, 1975
PROGRAMMER A — Harshay Medical Center
Responsible to the Manager of the Medical Computer Center for analyzing the requirements of various systems and for the development of computer programs to fulfill these requirements. Bachelor level of technical training plus over two years of directly related experience. BUILDING SUPERINTENDENT, STUDENT AFFAIRS — University Park
Responsible to the manager, Hatzel Union Building, for supervising the maintenance of the Hatzel Union Building physical facilities and equipment and for providing technical support services for student activities. Broad training in recognized trades (or credits) equivalent to the Associate Degree level of technical training plus over two years, up to and including four years of directly related experience in the maintenance of physical plant systems is required. Must have demonstrated ability to supervise, train and direct other employees. The University is an Equal Opportunity Employer.

Funding Opportunities

For procedural and funding source information, call 865-1372.

May 8, 1975

(17-7) The National Institute of Mental Health (NIMH) has five programs with June 1 deadline dates (followed by October 1 and February dates) . . . Studies of Crime and Delinquency — contact Dr. Edwin L. Nichols (202-442-3556) . . . Metropolitan Mental Health Problems — contact Dr. Elliott Liebow (201-443-3731) . . . Mental Health of Children and Families Research Areas — contact Dr. Edwin L. Nichols (202-442-3556) . . . Mental Health of the Aging — contact Dr. Thomas Anderson (201-443-3726) . . . Mental Health Epidemiology — contact Dr. Shirley Reif-Margolis (201-443-3731) . . . Addresses are also available for all the above contacts. (Ref. OPP deadlines)

(17-7) Help in planning and evaluating humanities programs is available from the National Summer Seminars Program for 1976 in order to design program makes available \$2500 grants for a 20-day effort. The program deadline is July 1, 1975. For additional information contact: Assistant to the Director, Division of Educational Programs, NEH, Washington, D.C. (202-382-5891).

(17-7) The National Endowment for the Humanities announces a continuation of its NEH Summer Seminars Program for 1976 in order to support teachers who wish to work with scholars at larger institutions and utilize library facilities. Needed are scholars to direct seminars. This information has been distributed. (Ref. NEH)

(17-7) Proposed rules for Community Education Programs have been issued by the Office of Education. Included are training projects in institutions of higher education to (1) train people planning and operating these programs, (2) train state educational agency personnel, and (3)

University Park Calendar

May 8-18, 1975

Special Events

Thursday, May 8 — Phi Delta Kappa, "For-
giving Sabbatical Scholars' Report," 8
p.m., Room 101 Kern.
Thursday, May 9 — Panel discussion on
"Grade Inflation: Its Relationship to the
Educational Process," 3:30 p.m., Room
121 Sparks, is sponsored by the Liberal
Arts Students' Affairs Committee.
Thursday-Saturday, May 8-10 — Play-
house Theatre, "Dracula," 8 p.m., Play-
house Theatre.
Thursday-Saturday, May 8-10 — Penn
State Thespians, "Camelot," 8:30 p.m.,
Schwab. Saturday matinee, 2 p.m.
Friday, May 9 — Sports: Men's tennis,
vs. Pittsburgh, 2 p.m. Women's golf,
Penn State Spring Invitational, 9 a.m.
Friday, May 9 — Russell Shipley, clarinet
recital, 8:30 p.m., Music Bldg. recital
hall.
Friday, May 9 — Commonsplace Collee-
gehouse, 8 p.m., Room 102 Kern.
Friday, May 9 — Classical Guitar and
Chamber Music Concert, 8:30 p.m.,
Room 112 Kern.
Friday-Saturday, May 9-10 — "Women in
Management," sponsored by the Master
of Business Administration Association
on problems of career-minded women,
Friday, Caroline Bird, author and femi-
nist, on "Women and Management,"

8 p.m., Room 112 Chambers. Saturday,
workshops led by professional and aca-
demic experts on women's status in
business, starting at 9 a.m., Room 101
Kern.
Saturday, May 10 — P. S. Model R.R. Club
auction, 2 p.m., Room 203 HUB.
Saturday, May 10 — Sports: Golf, Wo-
men's Spring Invitational 9 a.m., Men's
golf vs. Army and Colgate, 1 p.m. Wo-
men's tennis, vs. Ohio State, 9 a.m. Men's
lacrosse, vs. Lafayette, 8 p.m. Blue-White
football game, 2 p.m. Women's lacrosse,
West Chester, 2 p.m.
Sunday, May 11 — Penn State Glee Club
Annual Mother's Day Concert, 3 p.m.,
University Auditorium.
Sunday, May 11 — Chapel Service, 11
a.m., Eisenhower Chapel. Rev. Charles
Coleman, Program Director of Religious
Affairs.
Sunday, May 11 — Black Christian Fel-
lowship worship service, 11 a.m., Black Cul-
tural Center.
Monday, May 12 — Vincent Nola, tenor
recital, 8:30 p.m., Music Bldg. recital
hall.
Tuesday, May 13 — FACULTY CONVOCA-
TION, 4 p.m., UNIVERSITY AUDITORIUM.
**SPEAKERS: PRESIDENT
WALD AND DR. HELEN I. SNYDER**,
outgoing chairman of the University Fac-
ulty Senate.

Tuesday, May 13 — Artists Series film,
Ingmar Bergman's "Persona," 8:30 p.m.,
University Auditorium.
Tuesday, May 13 — Sports: Men's golf, vs.
Bucknell, 1 p.m. Women's tennis, vs.
West Chester, 1 p.m.
Tuesday, May 13 — Elaine de Kooning, ab-
stract painter, slide-lecture, 8 p.m., Room
112 Kern.
Wednesday, May 14 — "Noonday's" devo-
tional service, 12 noon, Eisenhower
Chapel. Rev. Robert Boyer.
Wednesday, May 14 — Penn State Brass
Chorale, 8:30 p.m., Music Bldg. recital
hall.
Wednesday, May 14 — Artists Series film,
Ingmar Bergman's "Cries and Whispers,"
8:30 p.m., University Auditorium.
Wednesday, May 14 — Sports: Men's base-
ball, vs. Bucknell, 8 p.m.
Thursday, May 15 — GSA Workshop, 7:30
p.m., Room 101 Kern.
Thursday, May 15 — Sports: Men's base-
ball, vs. Indiana, 3 p.m.
Thursday, May 15 — FSMA 401 dinner,
Cena Puertorriquena cuisine of Puerto
Rico, 5:30 p.m., Maple Room, Human
Development. Reservations, 865-7441.
Friday-Sunday, May 16-18 — Conference
on "Recent Research in Byzantine and
Western Medieval Manuscript Illumina-
tion," Keller Bldg.

Friday, May 16 — Sports: Men's Track
and Field Invitational, 1:30 p.m. Wo-
men's Track Pennsylvania Open, 9 a.m.
Friday, May 16 — Peggy Horner, vocal
recital, 8:30 p.m., Music Bldg. recital
hall.
Friday, May 16 — Folk and Square Dance
Roundup, 7:30 p.m., north gym, White
Bldg.
Friday, May 16 — Commonsplace Collee-
gehouse, 8 p.m., Room 102 Kern.
Friday, May 16 — Bike show sponsored
by Hetzel Union Board, 10 a.m.-4 p.m.,
HUB ballroom.
Friday, May 16 — Pennsylvania Wheel
Chair Games Championships, Nator-
lum.
Saturday, May 17 — PSU Symphony Orche-
stra, 8:30 p.m., University Auditorium.
Saturday, May 17 — Sports: Men's base-
ball, vs. Temple (2), 1 p.m.
Sunday, May 18 — PSU Symphonic Wind
Ensemble Annual Pops Concert, 3:30
p.m., Arts Courtyard.
Sunday, May 18 — Hetzel Union Board
College House, 8 p.m., Patio, HUB, (Ball-
room in case of rain).
Sunday, May 18 — Chapel Service, 11
a.m., Music Bldg. recital hall. Univer-
sity Choir's Spring Program.
Sunday, May 18 — Black Christian Fel-
lowship worship service, 11 a.m., Black
Cultural Center.

Seminars

Thursday, May 8 — Physics, 3:45 p.m.,
Room 117 Osmond. Carl W. Wertz,
Catholic University, on "Puzzles in Pion-
Nucleus Interactions."
Thursday, May 9 — Transportation Insti-
tute, 2:20 p.m., Room 189 Materials Re-
search Lab. Eric Hirst, Director of Of-
fice of Transportation Research, Federal
Energy Administration, on "Energy Pol-
icy and Transport Demand."
Thursday, May 9 — Agronomy, 8:30 a.m.,
Room 111 Tyson. Wesley Mason on
"Genetic Variability of Protein, IMyD,
and Morphological Traits of Orchard-
grass."
Thursday, May 9 — Microbiology, 1 p.m.,
Room 52 Frear. Dr. Vernon F. Kalb
on "A New Method for Measuring Pro-
tein Concentration." At 4 p.m., Room
52 Frear, Dr. S. V. Sheshtakov, M. V.
Lomonosov, Moscow State University,
on "Cell Division Mutants of Blue Green
Algae."
Thursday, May 8 — Air Pollution Control,
2:20 p.m., Room 145 Fenske. Heinz
Englebrecht, Technical Director, Wheel-
abrator-Frye, Inc., Pittsburgh, on "Electro-
static Precipitator Technology."
Thursday, May 8 — Mathematics, 4 p.m.,
Room 115 McAllister. D. A. Martin on
Logic.
Friday, May 9 — Physical Chemistry, 4
p.m., Room 333 Whitmore. K. Carlier
(temporarily at Brookhaven National
Lab.), on "Neutron Scattering from Ad-
sorbed Gases."

Tuesday, May 13 — Solid State, 3:45 p.m.,
Room 250 MRL. Dr. K. Vedam, Materials
Research Lab., on "Characterization of
Defects in Surfaces by Optical Methods."
Tuesday, May 13 — Plant Pathology, 8:45
a.m., Room 213 Buckhout. Dr. D. R.
McKenzie on "Predicting Vascular Perfor-
mance."
Tuesday, May 13 — Philosophy, 4 p.m.,
Room 273 Willard. Corinna Delkeskamp
on "How to Make Sense of Making
Sense Out of Nonsense: Concerning the
Philosophical Justification of Consider-
ing Hume, on the Occasion of Book 1
in 'A Treatise of Human Nature.'"
Tuesday, May 13 — Electrical Engineer-
ing, 2:20 p.m., Room 325 Electrical En-
gineering. Dr. R. Y. Huang, TRW, on
"Communications and Digital System En-
gineering at TRW."
Tuesday, May 13 — Solid Waste Manage-
ment, 2:20 p.m., Room 140 Fenske. Dr.
Paul Zalteeman, civil engineering, Uni-
versity of West Virginia, on "Science
Fiction and Solid Wastes."
Tuesday, May 13 — Physiology, 3:45 p.m.,
Room 111 Life Science. Dr. A. Zarkow,
veterinary science, on "The Effects
of Silica and Carbon Inhalation on
Immune Responses of Mice."
Tuesday, May 13 — Chemical Engineering,
3:45 p.m., Room 140 Fenske. R. Eversen,
University of Natal, South Africa, on
"Characterization of Methanation Cat-
alysts Following Sintering."

Tuesday, May 13 — Engineering Science,
4 p.m., Room 215 Hammond. Dr. R. M.
Haykin, Karlsruhe on "Analysis of Tor-
sion Data."
Tuesday, May 13 — Clinical Psychology,
3 p.m., Room 101 Chambers. Dr. Arthur
Cron, Professional Affairs Office, Am-
erican Psychological Association, on
"Current Status of Federal Legislation
Affecting Psychologists and Related Pro-
fessions."
Wednesday, May 14 — Fuel Science and
Acoustics Lab. joint seminar, 4 p.m.,
Room 301 Mineral Industries. Dr. T. A.
Brzustowski, Vice President, Academic
University of Waterloo, Ontario, on "Tur-
bulent Diffusion Flames in a Cross
Wind."
Wednesday, May 14 — Remote Sensing,
2:30 p.m., Room 225 Electrical En-
gineering West. George May, agronomy,
and Seon Chung, electrical engineering,
on "Land Use Mapping of Selected
Watersheds in the Susquehanna River
System."
Thursday, May 15 — Transportation Insti-
tute, 2:20 p.m., Room 189 Materials Re-
search Lab. Jack Hiding, Director of
the Office of Transportation and Land
Use Policy, Environmental Protection
Agency, on "Environmental Policy and
Transport Demand."
Thursday, May 15 — Chemistry, 12:45
p.m., Room 333 Whitmore. Heinz G.
Floss, Purdue University.

Thursday, May 15 — Microbiology, 4 p.m.,
Room 52 Frear. Dr. W. Dobrogosz,
North Carolina State University, on "Ef-
fect of Cyto AMP on the Synthesis and
Function of the Escherichia coli Mem-
brane System."
Thursday, May 15 — Microbiology, 1
p.m., Room 52 Frear. David P. Labeda
on "Electron Microscopic Observations
of Bacteria in Soil."
Thursday, May 15 — Agronomy, 8:30 a.m.,
Room 111 Tyson. Frosty Long on "Poa
annua Control in Turfgrass," and Tom
Turner on "Soil Testing for Turfgrass
Areas."
Thursday, May 15 — Air Pollution Control,
2:20 p.m., Room 145 Fenske. Kenneth
Schere, meteorology and air pollution
control, on "Measurements of the Aero-
sol Structure over St. Louis."
Thursday, May 15 — Biophysics, 4 p.m.,
Room 617 Life Science. Dr. R. E. Ben-
veniste, Viral and Leukemia Branch, Na-
tional Cancer Institute, NIH, on "Trans-
fer of Type C Viruses between Species."
Friday, May 16 — Physical Chemistry, 4
p.m., Room 333 Whitmore. Clifton Dra-
per on "100th Anniversary of Controversy
over Crookes Radiometer."
Friday, May 16 — Analytical Chemistry,
2:30 p.m., Room 333 Whitmore. Chih-
Yuan C. Ting on "Electrode Kinetics of
Cyclochrom C Models."

Friday, May 9 — Analytical Chemistry, 2:30
p.m., Room 333 Whitmore. Dr. Arthur F.
Findeis, National Science Foundation,
on "Predicting the Future to Avoid Cata-
strophic Failure."
Monday, May 12 — New Communications,
Architecture, 2 p.m., Room 322 Sackett.
Donald Cameron, The Irvine Co., New
York, on "Innovations in Design and
Planning Methods of New Towns."
Monday, May 12 — Physics and Mathe-
matics joint colloquium, 3:45 p.m., Room
117 Osmond. Irvin Segal, mathematics,
Massachusetts Institute of Technology,
on "Mathematical Cosmology and Ex-
tragalactic Astronomy."
Monday, May 12 — Horticulture, 12:45
p.m., Room 10 Tyson. William R. Faber
on "Rejuvenation of the Greenhouse
Rose."
Monday, May 12 — Genetics, 3:55 p.m.,
Room 111 Tyson. Dennis Pettley on
"Biochemical and Genetic Aspects of
Restriction and Modification of DNA."
Monday, May 12 — Inter-Science, 4 p.m.,
Room 333 Whitmore. Alexander Rich,
biology, Massachusetts Institute of Tech-
nology, on "Transfer RNA — Molecular
Structure."
Monday, May 12 — Entomology, 4 p.m.,
Room 204 Patterson Bldg. Richard S.
Stark on "Aspects of Resistance by the
Germanium, *Perlaemonium X hortorum*, to
the Two-spotted Spider Mite, *Tetranychus
urticae*."

Exhibits

Museum of Art — Ancient Peruvian Cer-
amics from the Collection of Dr. and
Mrs. Mark Markley, Gallery A. Selec-
tions from the Permanent Collection,
Gallery C, opening May 11.
Zoller Gallery — Art Student Show.
Chambers Gallery — Undergraduate Ex-
hibitions.
HUB Gallery — "African Arts," Smithson-
ian Institution Exhibit.
Kern Gallery — Art Alliance of Central
Pennsylvania Multi Media Exhibition,
through May 16. Jeannette Foner, oils
and prints, opening May 17.
Pattie Library — An exhibit in conjunction
with the course "Women and Creativity,"
Main Floor and Fourth Floor East. Archi-
tectural models by second-year archi-
tecture students, East Corridor Gallery.

Lecture

Thursday, May 8 — Priestley Lecture, 3
p.m., Room 112 Kern. Dr. Michel Bou-
dard, professor of chemical engineering
and chemistry, Stanford University, on
"Electronic or Ligand Effects."
Monday, May 12 — Sigma Xi Spring Lec-
ture Series, 8 p.m., Room 105 Forum.
Dr. Harold A. Zuckerman, sociology,
Columbia University, on "Age, Aging,
and Age Stratification in Science."

Meetings

Monday, May 12 — Gamma Pi Epsilon,
women's premedial society, 8 p.m.,
McElwain piano lounge. Dr. Robert Mit-
chell on the biology of aging. The pub-
lic is invited.
Monday, May 12 — OTIS, 6:30 p.m., Room
203 HUB.
Monday, May 12 — USG Senate, 7 p.m.,
HUB assembly room.
Monday, May 12 — Education Student
Council, 7 p.m., Room 123 Chambers.
Tuesday, May 13 — College of Liberal Arts
faculty, 3:30 p.m., Room 121 Sparks.
Tuesday, May 13 — College of Agriculture
faculty, 4 p.m., Room 301 Agricultural
Administration.
Tuesday, May 13 — College of Education
faculty luncheon, 12:30 p.m., Room 101
Kern.
Tuesday, May 13 — ARHS, 7 p.m., Room
203 HUB.
Thursday, May 15 — Department of Ec-
onomics faculty, 2 p.m., Room 101 Kern.
Thursday, May 15 — English Department
faculty meeting, 3:45 p.m., HUB assembly
room.

WPSX highlights

Sunday, May 11 — An hour-long biographical docu-
mentary on Noel Coward, at 6 p.m.
Sunday, May 11 — "Upstairs, Downstairs" returns
at 8:30 p.m. This 13-part series on life in the
Edwardian era may also be seen at 8:30 p.m.
Fridays.
Monday, May 12 — "Anxiety, The Endless Crisis,"
is highlighted on the series, "The Thin Edge,"
at 8 p.m.
Monday, May 12 — At 10 p.m., Anthony Burgess,
author of "A Clockwork Orange," is guest on
"Talkback."
Tuesday, May 13 — Music at Penn State features
Karen Cain, instructor in music, in a half-hour
song recital of music by Schubert and Beethoven,
at 8 p.m.

Films

Thursday, May 8 — Commonsplace The-
atre, "Giant," 7 p.m., Room 112 Kern.
Monday, May 12 — Department of
French film series, Clement's "Forbidden
Games," 7 and 9 p.m., Room 112 Kern.
Wednesday, May 14 — Commonsplace
Theatre, "Some Like It Hot," 7:30 and
9:30 p.m., Room 112 Kern.



Dr. Harriet A. Zuckerman, Sigma Xi lecturer.

Sigma Xi lecture

Dr. Harriet A. Zuckerman, associate professor of sociology at Columbia University and a national Sigma Xi lecturer, will speak on "Age, Aging, and Age Stratification in Science," on Monday, May 12, at 8 p.m., in Room 105 Forum.

The Penn State chapter of Sigma Xi,

the scientific research society of North America, is co-sponsoring the talk with the Gerontology Center of the Institute for the Study of Human Development.

A graduate of Vassar College, Dr. Zuckerman received her Ph.D. from Columbia University in 1965 and was named assistant professor of sociology at Columbia and project director in the Bureau of Applied Social Research. Previously she had served as a research assistant and associate at Columbia and as a lecturer in sociology at Barnard College. In 1971-72 she was a visiting scholar at the Russell Sage Foundation.

The subject of Dr. Zuckerman's talk is also the subject of a chapter, of which she was co-author, in "A Theory of Age Stratification," published by the Russell Sage Foundation in 1972. She is also co-author of a book in press, "Women in American Science: The Principle of the Double Penalty," with Jonathan Cole. She has another book in press, "Scientific Elite: Studies of Nobel Laureates in the United States," to be published by the University of Chicago Press.

News in brief

HELP FOR HANDICAPPED

The Office of Physical Plant has begun a program of constructing curb cuts and ramps at various locations on campus for handicapped persons who must move from place to place in a wheelchair. The program is designed to provide a means for handicapped persons to reach any location on central campus following selected routes provided for by the new construction. A map will be developed to guide persons using the routes. The project is being undertaken in an effort to assist in making handicapped persons as self-sufficient as possible during their stay at the University Park Campus. A President's Commission on the Physically Handicapped Student presently is studying the overall University-wide considerations of the physically handicapped.

CHAMBERS SHOW

Jewelry, drawings, prints, sculpture, weavings, photography, and ceramics, the work of undergraduate art education students, is currently on display in the Chambers Building gallery, to continue there until May 21. Student members of the local chapter of the National Art Education Association aided in developing the show.

ORAL INTERPRETATION

The 17th annual Oral Interpretation Festival at the Hazleton Campus will be held this evening (Thursday, May 8) at 7 p.m., conducted by the Belles Lettres Society. Andrew Kefauver, Free tickets are available from him.

ENGINEERING ALUMNUS

The 1975 Outstanding Alumnus of the College of Engineering is Marvin J. Kudroff, vice president of the Los Angeles engineering end architecture firm of Daniel, Mann, Johnson and Mendenhall. He will receive a certificate at the annual Honors Day luncheon of the College today (May 8). He is a 1946 architectural engineering graduate, and he has had management responsibilities for many government and industrial projects since joining the firm in 1947. He has been active in many professional societies and has been honored by other organizations on many occasions.

RENAISSANCE —

(Continued from page one)

tributions from outside sources are dwindling, Wellington says, because of economic pressures at the same time that the Fund's needs are increasing.

In the near future, the Fund will send additional information to Commonwealth Campus faculty and staff members, who they too have a stake in the Fund. In the 1975-76 Renaissance Scholars group already accepted, 16 of the 73 will be enrolled at campuses other than University Park. Of the total group, 54 different towns and cities are represented, in all segments of the Commonwealth. All nine colleges will have Scholars.

One way the Fund may be helped is through contributions from Federal Income Tax rebates, Wellington conjectures, and he's hopeful faculty and staff members will think of the Fund. Checks may be made payable to The Renaissance Fund and sent to Room 100 Old Main.

FESTIVAL THEATRE

The 1975 Penn State Festival Theatre will begin its summer program July 11 and the season will include two plays and two musicals. As in the past four summers, the Festival is committed to American theatre, and the season includes "Awake and Sing," by Clifford Odets; "You Know I Can't Hear You When the Water's Running," "Girl Crazy," the musical by George and Ira Gershwin; and "Wonderful Town," with music by Leonard Bernstein and book by Jerome Chodorov and Joseph Fields, which is the season opener.

OPEN HOUSE

Friends of Dr. Donald Josephson, head of the dairy science department who has announced his retirement effective July 1, have planned an open house for Dr. Josephson and his wife, Ada, for Friday, May 23, from 2 p.m. to 4 p.m. in Borland Laboratory (Dairy Bldg.) on the top floor. The entire University community is invited to come and express their thanks for the Josephsons' 34 years of service to Penn State.

ALTOONA ARTS FESTIVAL

An arts festival that literally has something for nearly everyone will take over the Altoona Campus from noon Friday, May 9, to 6 p.m. Sunday, May 11, with no admission charge to any of the events and exhibits. The Campus is cooperating with The Altoona Arts Foundation, the Pennsylvania Council on the Arts, and the National Endowment for the Arts to stage the festival, which is attracting artists and arts and crafts work from all over the State. In addition to the paintings, drawings, photography, ceramics and sculpture that will be judged in professional and amateur categories, there will be non-juried categories of dance, theatre, musical groups, puppets, and art works of high school, elementary school and college students on display. One of the newer categories is that of news media film. Prizes totalling \$1000 will be awarded in the various categories. Among the unusual events will be a performance by the Jack-in-the-Box Players, a display by the Railroad Museum, and a puppet show.

HOT DIGGIDY DOGS

Children of all graduate students at University Park are invited to "Hot Diggidy Dog Day" Saturday, May 17, from 10 a.m. to 3 p.m. in the Kern Graduate Commons. There will be a free hot dog buffet, with entertainment. Tickets are now being distributed and may be obtained, without charge, at Kern Book.

CHARITY GOLF EVENT

The Sigma Pi Open, a better ball of partners golf tournament for the benefit of the Centre County Home Health Service, will be held Saturday, May 17, at the University White Course. Entries are limited to 75 teams and applications will close Wednesday, May 14, at 6 p.m. More than \$500 in merchandise will be given as prizes for the top ten teams; Calloway System of handicapping will be used. The entry fee is \$10 plus greens fee. Application blanks are now available at the HUB, at area golf courses, and at Sigma Pi fraternity. Starting times, in the morning of May 17, will be given to each team as close to the time desired as possible.

Change in Federal Income Tax Withholding

As a result of the Tax Reduction Act of 1975, the Internal Revenue Service has issued new withholding tax tables to reflect the reduced amounts to be withheld from employees' wages after April 30, 1975. Withholding is being reduced to coincide with certain tax reduction provisions which will apply when 1975 tax returns are filed next year.

The Internal Revenue Service has suggested that there are certain situations where individuals may be underwithheld. This may occur if —

1. You and your spouse are both employed.
2. You currently claim additional withholding allowances due to large itemized deductions.

For these individuals we suggest that you review your income tax withholdings after your next payroll check.

To make a change in withholding status file a new Employee's Withholding Exemption Certificate, Form W-4, with the Payroll Department, 301 Shields Building.

W-4 forms are available at the Payroll Department or through department heads and supervisors.

Commencement speaker chosen

William T. Coleman, Jr., who has had a distinguished career in law, business, and public service and in March became the nation's fourth Secretary of Transportation, will deliver the commencement address on May 31, President Oswald has announced.

More than 5,000 graduates will receive degrees at the May 31 exercises, scheduled for 10:30 a.m. in Beaver Stadium.

President Oswald said that the invitation to Secretary Coleman was extended in consultation with the advisory committee composed of Thomas M. Switzer, president, Organization of Town Independent Students; Wendy L. Morris, president, Association of Residence Hall Students; Patricia A. Wesner, president, Panhellenic Council; Stuart A. Williams, president, Interfraternity Council; Dr. Barnes W. McCormick, Jr., University marshal; David R. Schuckers, director of University relations; and Dr. Doris M. Seward, executive assistant to the President.

Secretary Coleman began his law career in 1947 as law secretary to Judge Herbert F. Goodrich of the U.S. Court of Appeals for the Third Circuit. The next year he became a U.S. Supreme Court law clerk.



William T. Coleman, Jr.

serving on the staff of the late Justice Felix Frankfurter.

An ardent defender of civil rights, Secretary Coleman was one of the authors of the legal brief that persuaded the Supreme Court in 1954 to outlaw segregation in public schools. In 1965, he was retained by former Governor Scrantom of Pennsylvania to assist in removing racial restrictions at Girard College in Philadelphia. He has served as a member of the national legal committee, director, member of the executive committee and president of the NAACP Legal Defense and Educational Fund. He has also served as a board member and president of the Earl Warren Legal Training Program.

U. Council approves smoking report

A report on smoking in classrooms and other public facilities of the University was given unanimous approval by University Council last week and will be forwarded as a recommendation of the Council to the President of the University.

The report was made by Dr. Walter H. Walters, chairman of the sub-committee that has been studying the matter since last December, when the matter was referred to the Council by the President of the University.

Council also discussed a preliminary report of a sub-committee concerned with classroom situations, other than grading, which cause anguish and inconvenience for students.

Special Education stipends available

The Department of Special Education has announced two tax free stipends of \$3500 (each for six months) for post doctoral study.

The stipends will be available from a Program Assistance Grant awarded to Penn State by the Bureau of Education for the Handicapped, U.S. Office of Education. (Awards will be contingent upon final negotiations of the grant with the University.)

Recipients will be selected on the basis of the compatibility of goals they hope to achieve on the Penn State Campus with

our capability to help them arrive at these goals. Preference will be given to individuals who have earned their doctoral degree 10 or more years ago, who are employed in institutions with less senior faculty in Special Education, and who may have a sabbatical leave to supplement the stipend available through this grant.

Persons interested in this post-doctoral fellowship should forward by June 30, 1975 an autobiographical sketch and statement of the goals they hope to achieve at Penn State to: Dr. J. L. French, head of the department of special education, Room 102 Cedar, University Park, Pa. 16802.

New purchase order forms explained

The following information is provided by Accounting Systems and Procedures for the new Purchase Order procedures to go into effect with ALL new year purchases. Please refer to the April 3rd issue of the "Intercom" and "Reporter" for initial information and Purchase Order exchange delo.

New year orders MUST be on new Purchase order forms. Current year orders must be on current forms. Keep current year forms on hand to finish the current year's purchasing.

University Park departments may obtain the new Purchase Order forms from General Stores by submitting a Requisition Invoice as in the past.

Commonwealth Campuses must use an Interpersonal Transfer (IOT) directed to Systems and Procedures at 225 Shields Building, University Park, to obtain new Purchase Order forms.

Partial Receiving Reports are available by calling Systems and Procedures (865-9558). They are provided with 120 sheets per pad.

General Forms Usage Guide Instructions for the new forms will be released in Mid-May. If you have any questions after reading the release, please contact Systems and Procedures.

It is the responsibility of the originating department, UPON RECEIPT OF MATERIAL, to initiate a Receiving Report or Partial Receiving Report to the Department of Purchases.

The Voucher Jacket will NOT be used for any new year changes.

PENN STATE intercom

Volume 4, Number 35

May 15, 1975

An internal communications medium for the ecedemic community of The Pennsylvania State University published weekly during the four terms of the cless schedule



As part of a ceremony of groundbreaking for the new Faculty Club facility, north of Nittany Lion Inn, Dr. Marjorie East welded the shovel to heap soil around a tree, planted to take the place of some which will be removed. Dr. East was chairman of the committee which planned the ceremony, and Dr. Robert O. Schein, current president, Dr. Donald R. Olson, president-elect, and University President Oswald Iani moral support in the tree planting.

Olson elected Faculty Club president

Dr. Donald R. Olson, professor and head of the department of mechanical engineering, was elected president of the Penn State Faculty Club in the elections concluded April 28.

Dr. Peter D. Bennett, professor of marketing, College of Business Administration, was elected vice president; and Dr. James R. Dungan, director of the institutional research and planning division of Budget and Planning, treasurer. The secretary, elected last year for a two-year term, is Dr. Robert L. Clewett, professor of business administration.

Members of the Club also elected the

following Directors-at-Large: Dr. Ralph W. Condee, Dr. Vladimir de Lissovsky, Dr. Marjorie East, Dr. Helen A. Guthrie, Ross B. Lehman, Dr. Arthur O. Lewis, Jr., Chalmers G. Norris, and Dr. Doris M. Seward. All officers and directors will take office Sept. 1, 1975. Dr. R. D. Schein remains on the Board as Immediate Past President.

A groundbreaking ceremony for the new Club facility north of the Nittany Lion Inn was held May 2.

Anyone desiring information on membership in the Faculty Club may obtain it in Room 109 Carnegie.

Commencement plans listed

Twenty Spring Term commencement exercises will be conducted by the University between May 23 and June 8 or, if rain forces the University Park ceremony indoors, the number will reach 24. The schedule for all the campuses and colleges, with speakers and numbers of degrees is:

Friday, May 23:

Hazleton Campus, 7:30 p.m. on campus. George R. Miller, president of the Hazleton Educational Council, will speak. Forty-nine degree candidates.

Saturday, May 24:

The Milton S. Hershey Medical Center, 10 a.m. in Founders Hall of The Milton S. Hershey School. Dr. Wesley Posvar, chancellor of the University of Pittsburgh, will speak. Sixty-five candidates for medical degrees and live for graduate degrees.

Sunday, May 25:

Behrend College, 2 p.m. in Erie Hall. Dr. Jan S. Prybyla, professor of economics at the University, will speak. Forty-seven associate degree candidates; 23 baccalaureate degree candidates, and 17 master of engineering degree candidates.

Schuylkill Campus, 2 p.m. in The Field House. About 45 degree candidates.

Wilkes-Barre Campus, 2 p.m. on campus. Pennsylvania Rep. Fred P. Shupnik, will speak. A total of 107 degree candidates.

Thursday, May 29:

Ogontz Campus, 7:30 p.m. in Lores Bldg. Dr. Robert G. Quinn, dean of academic instruction for Commonwealth Campuses, will speak. Sixty-two degree candidates.

Friday, May 30:

DuBois Campus, 2 p.m. in the Multi-Purpose Bldg. Dr. David H. McKinley, associate dean emeritus of the College of Business Administration, will speak. Eighty-five degree candidates.

York Campus, 8 p.m. in the Gymnasium. U.S. Rep. William Goodling will speak. Approximately 40 associate degree candidates and 10 certificate candidates.

Saturday, May 31:

McKeesport Campus, 10 a.m. in Buck Student Union Bldg. Dr. Ernest R. Weld-

(Continued on page four)

will be held at 10:30 a.m. and 2 p.m., according to these arrangements:

At 10:30 a.m.

Recreation Building — Main service with academic procession, President Oswald presiding, and Commencement speaker, William T. Coleman, Jr., at this service only. Graduates of the colleges of The Liberal Arts, Human Development, and Arts and Architecture, and their families and friends. Processional, as customary.

University Auditorium — Dr. Russell E. Larson, Provost, in charge. College of Education graduates, families and friends. No procession.

Schwab Auditorium — Dr. James B. Bartoo, Dean of the Graduate School, in charge. All master's and doctoral candidates, families and friends. No procession.

2:00 p.m.

Recreation Building — President Oswald presiding. Colleges of Business Administration, Engineering, and Science, families and friends.

University Auditorium — Dr. Russell E. Larson, Provost, presiding. Colleges of Agriculture, Earth and Mineral Sciences, and Health, Physical Education and Recreation, families and friends.

If the weather is cooperative, the ceremony will be held at Beaver Stadium, as customary, and a processional party, in academic dress, will form under the west stands at 10:15 a.m.

The decision as to whether to hold the ceremonies indoors, if weather is threatening early in the day, will be announced over local radio stations.

ate officers and chairmen of the standing committees, should be considered as an amendment to the Senate by-laws. The Senate in the proposal to "tenure in the degree granting units and University libraries."

MEETING OF MAY 6, 1975

The University Faculty Senate, reversing a decision made last month, has voted to remove geographic distinctions from proposed promotion and tenure policies.

At the same time, the Senate also approved having the president of the University continue to make the ultimate decision on promotion and tenure.

The proposed policies, as developed by a Senate subcommittee, would have linked tenure and promotion to live entities within the University — University Park, the Commonwealth Campus System, the College of Medicine at Hershey, the Capitol Campus and the Behrend College. This proposal was upheld by a 12-vote margin at the April Senate meeting.

At the May 6 session, however, the Senate approved, by a 78-47 vote, an amendment from Senator Wayne K. Murphy which changed all reference to geographic

(Continued on page four)

Senate acts on promotion-tenure policies

MEETING OF MAY 5, 1975

The University Faculty Senate has established a new committee system that more closely parallels the University administrative structure.

The Senate, in a special three-hour session May 5 approved an amended version of a plan developed by a special subcommittee. The proposal stems from recommendations of the Governance Committee calling for a committee structure that is strengthened in functions and possesses more delegated authority.

Under the plan, there are 13 standing committees, including three former subcommittees of the Academic Affairs Committee. An amendment that these three — Undergraduate Instruction, Continuing Education, and Extended Degrees — be retained as subcommittees of Academic Affairs was defeated.

Other standing committees under the new structure are Intra-University Relations; Admissions, Records, and Scheduling; Curricular Affairs; Academic and Athletic Standards; Libraries; Research; Faculty Affairs; Student Affairs, Awards, and Scholarships; External Affairs, and Planning

and Development. The Senate previously had approved establishment of a Faculty Advisory Committee and Committee on Committees and Rules.

Many of the amendments made on the Senate floor during the special session dealt with makeup of the committee mem-

berships. Approved was a proposal by Senator Dion Stewart that non-student senators may sit on committees after all student senators have been assigned.

Also approved was a motion made by Nunzio J. Paladino that establishment of a Senate Cabinet, to be made up of Sen-

Senate officer nominations listed

Nominations for 1975-76 officers of the University Faculty Senate are as follows:

Chairman — Dr. Barnes W. McCormick, Jr., professor and head of the department of aerospace engineering; **Sally S. Small**, senior assistant librarian and head of the Berks Campus library; **Murray S. Martin**, associate dean of the Libraries and librarian; **Dr. G. Edward Phillips**, professor of accounting; and **Dr. Winston A. Richards**, associate professor of mathematics and statistics at Capitol Campus.

Chairman-Elect — Dr. John J. Coyle, professor of business administration and head of the department of business logistics; **Dr. Lee N. Saperstein**, associate professor of mining engineering

and chairman of the mining section; and **Dr. Thomas E. Daubert**, associate professor of chemical engineering.

Secretary — **Martha A. Adams**, professor of physical education and assistant dean for resident instruction, College of Health, Physical Education and Recreation; **Gordon Bowker**, associate professor of engineering, Mont Alto Campus; and **Dr. Stuart H. Mann**, associate professor of operations research, College of Human Development.

Election of members of the new Faculty Advisory Committee and the Committee on Faculty Rights and Responsibilities will also be conducted. Balloting will be done by mail, and the names of the new officers will be announced at the June 3 meeting.

Dr. Harmer A. Weeden, professor of civil engineering, has been named this year's "Outstanding Adviser" in the College of Engineering. He received a certificate and a \$500 stipend May 8 at the College's 14th annual Honors Luncheon.

Dr. Weeden, a member of the faculty since 1955, has taught both undergraduate and graduate courses at the University, ranging from basic engineering surveying to engineering construction management, a graduate civil engineering course. His research, which is presently conducted through the Office of Remote Sensing of Earth Resources, is concerned with the evaluation of soil and rock conditions as well as land use through computer processing of multi-spectral scanning data to produce thematic maps.

Helene J. Puskar, associate professor of home management Extension and home furnishings Extension, retired May 6 after 14 years on the Cooperative Extension Service. A graduate of Indiana University of Pennsylvania, with an M.S. degree from Florida State University, Mrs. Puskar taught home economics in the Mercer (Pa.) Joint Consolidated High School, Mercer County, and Findlay Top High School in Allegheny County before joining the Extension staff in 1961, as Indiana County home economist. She was named home furnishings Extension and assistant home furnishings Extension specialist in 1973. She has been active in providing educational information to help people solve home furnishings problems and has written and researched many publications and educational materials.

Raymond H. Brown, professor of music and University choral director, has received the Distinguished Service Award given annually by the local chapter of Alpha Phi Omega to a member of the University faculty or staff who has rendered outstanding service to the student body. Alpha Phi Omega is a national service fraternity. Previous winners of the Award were President Oswald, former President Eric A. Walker, Joseph V. Paterno, head football coach, Dr. James W. Dunlop, professor of music education and conductor of the Penn State Blue Band, and Dr. Ralph G. Aschaf, associate professor of chemistry and pre-medical advisor.

Alan B. Brownstein, as research assistant, Center for the Study of Environmental Policy. He received both bachelor's and master's degrees from Penn State and was a teaching assistant for the department of economics. He also served as a graduate research assistant for the Institute for Research on Human Resources and the Center for the Study of Environmental Policy.

The conference will have as principal speakers Dr. Loretta C. Ford, dean of the School of Nursing, University Medical Center, University of Rochester, and Alan Berg, deputy director for nutrition, Population and Nutrition Projects Department, World Bank, Washington, D.C., and also visiting professor of nutrition, Massachusetts Institute of

Members of the Penn State faculty may obtain subscriptions to the Journal at a very much reduced price. Inquiry should be made at the University Press, Room 215 Wagner Bldg., University Park.

(178-6) Research Corporation (Allin. C. H. Schaur, 405 Lexington Ave., New York, New York 10017) offers pre-doctoral and post-doctoral fellowships in cyrogenetics of important agricultural food crops. The deadline for applications for 1976 is November 3, 1975. Inquiries should be sent to the address given above. They should include a brief statement of the nature and purpose of the proposed research, applicant's academic status and background, current affiliation and where and with whom work will be performed. Post-doctoral

rules are available" (Ref. HANN brochure).

(179-2) **National Research Service Awards.** Federal research and regulations have been issued by the Public Health Service. **Direct awards** are for individuals for medical and biomedical research and training at NIH and ADAMHA in diagnosis, prevention and treatment of disease and for research and training at non-federal public and private institutions. **Institutional grants** are to enable institutions to make these awards to individuals selected by them for research and predoctoral and postdoctoral training to undertake research in the cause, diagnosis, prevention, and treatment of disease. This information has been distributed (Ref. 40FR19313).

18. 5/2/75)

(179-7) A schedule of NSF Programs for Education in the Sciences for FY 1976 has been released, containing information for fellowship applicants and institutions and for institutions submitting proposals including program announcement dates, closing dates, award dates, and publication dates.

REMINDER AND DEADLINE DATES

May 22 for NSF/RANN Energy Storage Research
(April 24 INTERCOM #176-3) . . . June 1 for Exa-
Education Foundation (April 24 INTERCOM #176-3)
 . . . June 1, Oct. 1, Feb. 1 for several NIH pro-
grams (April 17 INTERCOM #175-1) . . . June 1
for five HRA research programs (April 24 INTER-
COM #176-6) . . . June 1 for five NIMH programs
(May 1 INTERCOM #177-1) . . . June 3 for GE
Reading Academy program (May 8 INTERCOM #178-
2) . . . July 1 for NEH Consultants Grant pro-
gram (May 1 INTERCOM #177-2)

University Park Calendar

May 15-25, 1975

Items to be included in this calendar should be sent to the editor, Room 312 Old Main, by Thursday of the week preceding publication.

Special Events

Monday, May 15 — FSHA dinner, Cena PuertoRiquena cuisine of Puerto Rico, 5:30 p.m., Maple Room, Human Development Bldg. Reservations, 865-7441.

Thursday, May 15 — Conference on Child Abuse.

Thursday, May 15 — Screening of film produced by Department of Theatre and Film, 8 p.m., HUB assembly room.

Thursday, May 15 — GSA Workshop, 7:30 p.m., Room 101 Kern.

Thursday, May 15 — Sports: Men's baseball, vs. Indiana, Pa., 3 p.m.

Friday, May 16 — Sports: Men's Track and Field Invitational, 1:30 p.m. Women's Track Pennsylvania Open, 9 a.m.

Friday, May 16 — Peggy Horner, vocal recital, 8:30 p.m., Music Bldg. recital hall.

Friday, May 16 — Folk and Square Dance Roundup, 7:30 p.m., north gym. White Bldg.

Friday, May 16 — Commonsplace Coffeehouse, 8 p.m., Room 102 Kern. Tussey Mountain String Band.

Friday, May 16 — Bike show sponsored by Hertz Union Board, 10 a.m.-4 p.m., HUB ballroom.

Friday-Sunday, May 16-18 — Pennsylvania Wheelchair Games, Friday, swimming, Natatorium, weightlifting, Ice Rink, start at 7 p.m. Saturday, archery and track and field, parking lot 80 and Beaver Stadium, 9 a.m.; table tennis, Ice Rink, 6 p.m. Finals in archery and track, Sunday, Beaver Stadium and parking lot 80, 9 a.m.

Friday-Sunday, May 16-18 — Conference on "Recent Research in Byzantine and Western Medieval Manuscript Illumination." Keller Bldg.

Saturday, May 17 — Penn State Grand Prix Go-Kart Race, 1:15 p.m., Parking Lot 80.

Saturday, May 17 — "Hot Digdig Dog Day," for children of all graduate students, 10 a.m.-3 p.m., Kern.

Saturday, May 17 — Sigma Pi Open charity golf tournament for the benefit of the Centre County Home Health Service. University White Course. Applications will close May 14, 8 p.m.

Saturday, May 17 — PSU Symphony Orchestra, 8:30 p.m., University Auditorium.

Saturday, May 17 — Sports: Men's baseball, vs. Temple (2), 1 p.m.

Sunday, May 18 — PSU Symphonic Wind Ensemble Annual Pops Concert, 3:30 p.m., Arts Courtyard.

Sunday, May 18 — Hertz Union Board Coffee House, 8 p.m., Patio, HUB, Ballroom in case of rain.

Sunday, May 18 — Chapel Service, 11 a.m., Music Bldg. recital hall. University Choir's Spring Program.

Sunday, May 18 — Black Christian Fellowship worship service, 11 a.m., Black Cultural Center.

Monday, May 19 and Wednesday, May 21 — Concert of new music by student composers, performed by Aard Quartet, Claremont Quintet, Musica da Camera, and faculty and student musicians, 8:30 p.m., Music Bldg. recital hall.

Tuesday, May 20 — Sports: Baseball, vs. Delaware (2), 3:30 p.m.

Wednesday-Friday, May 21-23 — Conference on Potential for Health in a Community Setting, Conference Center.

Friday, May 23 — Open House for Don and Ada Josephson, 2-4 p.m., Borland Lab., top floor.

Seminars

Thursday, May 15 — Anthropology, 3:30 p.m., Room 107 Social Sciences. Dr. Louis Dupree, on "Ethnographical Research in Afghanistan."

Thursday, May 15 — Microbiology, 1 p.m., Room 52 Frear. David P. Labeda on "Electron Microscopic Observations of Bacteria in Soil."

Thursday, May 15 — Agronomy, 8:30 a.m., Room 111 Tyson. Frosty Long on "Poa annua Control in Turfgrass," and Tom Turner on "Soil Testing for Turfgrass Areas."

Thursday, May 15 — Air Pollution Control, 2:20 p.m., Room 145 Fenske. Kenneth Scherer, meteorology and air pollution control, on "Measurements of the Aerosol Stratosphere over St. Louis."

Thursday, May 15 — Biophysics, 4 p.m., Room 617 Life Science. Dr. R. E. Benveniste, Viral and Leukemia Branch, National Cancer Institute, NIH, on "Transferrin Type C Virus between Species." **Thursday, May 15** — Statistics, 4 p.m., Room 69 Willard. M. V. Ratnaparkhi on "Certain Damage Models and Related Characterizations of Statistical Distributions."

Thursday, May 15 — Transportation Institute, 2:20 p.m., Room 189 Materials Research Lab. Jack Hildinger, Director of the Office of Transportation and Land Use Policy, Environmental Protection Agency, on "Environmental Policy and Transport Demand."

Thursday, May 15 — Chemistry, 12:45 p.m., Room 333 Whitmore. Heinz G. Floss, Purdue University.

Thursday, May 15 — Microbiology, 4 p.m., Room 52 Frear. Dr. W. Dobrogos, North Carolina State University, on "Effect of Cyclic AMP on the Synthesis and Function of the Escherichia coli Membrane System."

Friday, May 16 — Linguistics Program, 11:10 a.m., Room 5-108 Human Development. Dr. O. L. Chavarria-Aguilar, City College of New York, on "Deep and Surface Structure in Parin?"

Friday, May 16 — Analytical Chemistry, 2:30 p.m., Room 333 Whitmore. Chih-Yuan C. Ting on "Electrode Kinetics of Cytochrome C Models."

Friday, May 16 — Physical Chemistry, 4 p.m., Room 333 Whitmore. Clifton Draper on "100th Anniversary of Controversy over Crookes Radiometer."

Monday, May 19 — Inter-Science, 4 p.m., Room 333 Whitmore. Samuel Tove, biochemistry, North Carolina State University, on "Biodegradation of Unsaturated Fatty Acids."

Monday, May 19 — New Communities, Architecture, 2 p.m., Room 322 Sackett. Dr. Jerome Collins, New York State Environmental Facilities Corp., Albany, on "Innovations in Solid Residuals Management and Processes for New Towns."

Monday, May 19 — Horticulture, 12:45 p.m., Room 10 Tyson. P. Ravindran on "Growth Responses and Nutrient Uptake of Snapbeans as Affected by Fertilizer Treatments."

Monday, May 19 — Entomology, 4 p.m., Room 204 Paterson. Rickalson Hopes on "Linnephilus (Trichoptera) Linnephiliidae of Pennsylvania."

Tuesday, May 20 — Plant Pathology, 9:45 a.m., Room 213 Buckhout. Dr. G. E. Brandon, agricultural economics, on "The Future's Market."

Tuesday, May 20 — Solid State, 1 p.m., Room 339 Davey. Dr. J. E. Rowe. Bell Telephone Laboratories, Murray Hill, on "Photoemission from Semiconductors."

Tuesday, May 20 — Physiology, 3:45 p.m., Room 111 Life Science. Dr. P. Wangness, animal science, on "Physiological and Genetic Factors in the Regulation of Energy Balance."

Tuesday, May 20 — Solid Waste Management, 2:20 p.m., Room 140 Fenske. Dr. Paul Zaltsman, civil engineering, University of West Virginia, on "Science Fiction and Solid Wastes."

Tuesday, May 20 — Engineering Science and Mechanics, 4 p.m., Room 215 Hammond. Dr. Robert E. Green, Jr., Johns Hopkins University, on "Ultrasonic Detection of Fatigue Damage."

Tuesday, May 20 — Philosophy, 4 p.m., Room 273 Willard. Professor Walter Blum, Philosophical Institute, Rheinisch-Westfälische Technische Hochschule, Aachen, on "Heidegger and Phenomenology."

Wednesday, May 21 — Biochemistry, 4 p.m., Room 101 Altitude. Terence R. By, chemistry, on "Microwave Emission Detector for Gas Chromatography."

Wednesday, May 21 — Remote Sensing, 2:30 p.m., Room 225 Electrical Engineering West. Edsel G. Gresham, electrical engineering, on "The New Penn State Orser Color Display System for Remote Sensing Data."

Thursday, May 22 — Microbiology, 1 p.m., Room 52 Frear. Stephen D. Miller on "Experimental Sclerosis — Effects on T and B Lymphocyte Immunocompetence and Macrophage Function."

Thursday, May 22 — Microbiology, 4 p.m., Room 52 Frear. Dr. F. Lilly genetics, Albert Einstein College of Medicine, New York, on "A Genetic Analysis of Leukemia in Mice."

Friday, May 23 — Mathematics, 4 p.m., Room 115 McAllister. P. Hinman on Logic.

Exhibits

The nationally-known Samuel H. Kress Memorial Collection is on view in Gallery C of the Museum of Art at the University, on loan from the Allentown Art Museum through October 1.

The twenty fragile paintings on wooden panels, dating from the fourteenth century, are on exhibit in the University museum while the Allentown facility undergoes renovation and expansion.

The valuable collection of rare paintings is the only memorial collection for the late Mr. Kress, a wealthy merchant and extensive art collector. Upon his death, the Kress Foundation presented the majority of his collection to the National Gallery of Art, Washington, D.C., with the remainder distributed to twenty major museums in the United States.

Because Kress was born near Allentown, this collection was the sole group to receive the memorial designation. The extreme delicacy of the paintings made the University Museum of Art with its atmospheric controls the choice for the display of the works during the time the Allentown museum was closed. This is the last time the paintings will be seen en masse away from Allentown.

Among the panel paintings are Giovanni del Biondi's "Mystic Marriage of St. Catherine," c. 1380; Bartolomeo Vivarini's "St. Bartholomew," c. 1490; Quentin Massys's "St. Christopher," c. 1490; "Madonna and Child," c. 1510, Follower of Andrea del Sarto, and Giuliano Bugiardini's "Madonna and Child with St. John," c. 1510.

Museum and store hours are noon to 5 p.m. daily except Mondays, when the facilities are closed.

Museum of Art — Ancient Peruvian Ceramics from the collection of Dr. and Mrs. Kehl Markey. Gallery A. Twenty paintings on wood panels, dating from the 14th century, Samuel H. Kress Memorial from the collection of the Allentown Art Museum in Gallery C.

Zoller Gallery — Art Student Show, through May 24.

Chambers Gallery — Jewelry, drawings, prints, sculpture, weavings, photography, and ceramics, undergraduate exhibition, until May 21.

Capitol Campus — Murray DePillars, paintings, until May 16.

Kern Gallery — Jeannette Foner, oils and prints, opening May 17. Art Alliance of Central Pa. multi media exhibition, through May 16. Decorative fabrics from Mode.

HUB Gallery — "African Arts" Smithsonian Institution Exhibit, Lee Colfer, paintings, until May 23. "Penn State Equestrian Team Exhibit," until May 23.

Pattee Library — An exhibit in conjunction with the course "Women and Creativity," Main Lobby and Fourth Floor East. Architectural models by architecture students, East Corridor Gallery.

HUB Ballroom — Palestine Day Exhibit sponsored by Arab Club, Thursday, May 15 only.

Films

Thursday, May 15 — International Council Film, "Emilia" (Senegalese), 7:30 p.m., Room 112 Kern.

Official

Wednesday, May 21 — Last day for signing Spring Term Emergency Loans, Room 108 Shields.

Wednesday, May 21 — Classes end. **Thursday-Saturday, May 22-24** — Final exams.

Meetings

Monday, May 19 — Department of Economics faculty, 2 p.m., Room 101 Kern. **Thursday, May 15** — Department of English faculty, 3:45 p.m., HUB assembly room.

Thursday, May 20 — ARHS, 7 p.m., Room 203 HUB.

Thursday, May 20 — Senate Council, 2:10 p.m., Room 101 Kern.

Thursday, May 20 — College of Education Equity luncheon, 12:30 p.m., Room 101 Kern.

HUB specials

Monday, May 19 — Lunch, brased beef with noodles, \$1.14; dinner, beef stroganoff, \$1.34. **Monday, May 20** — Lunch, hot sausage hoagie, \$1.30; dinner, spaghetti with meatballs, \$3.

Monday, May 21 — Lunch, chicken rarebit, \$1.30; dinner, roast beef and pork, \$1.14.

Monday, May 22 — Lunch, pork pie, \$1.30; dinner, Canadian bacon and hot potato salad, \$1.34.

Monday, May 23 — Lunch, lunaburger, soup, \$1.34; dinner, French fried perch, \$1.15.

Monday — Closed until lunch, June 8.



Dr. O. Douglas Miller will direct the University Symphony Orchestra in a program Saturday, May 17, at 8:30 p.m. in the University Auditorium, playing Beethoven, Wagner, Engelbert Humperdinck and Rimsky-Korsakoff. The program is free and open to the public.

The Senate also approved other Murphy amendments concerning documentation of a faculty member's assignment. One provides that every faculty member "must be informed by the appropriate officer at least annually as to the faculty member's responsibility in regard to teaching, research and/or scholarly activities."

The action to retain promotion and tenure decision in the hands of the University president came after the Senate had approved an earlier amendment which provided for a University review committee to forward its recommendations to the University provost for transmittal to the appropriate college dean. The dean would make the tenure decision after appropriate consultation with the provost.

The proposal submitted by George Andrews, co-chairman of the sub-committee which developed the original report, calls for the University review committee to forward its recommendations to the provost. "On recommendation of the provost, the president of the University may authorize the award of tenure or promotion in rank on behalf of the University."

Speaking in support of the proposal, Dr. John W. Oswald, University president, said, "because of the importance of tenure decisions and the long-range implications, the award should be made at the highest level of the University," noting that this is the case in most major universities.

Calling the University-wide review mechanism "an excellent one," he said, "simple organizational logic suggests that, following University-wide review, one does not send it back to 14 colleges for final action. The recommendations should be sent to the provost and the president."

In other action, the Senate amended a recommendation of a Subcommittee on Student Evaluations to provide for establishment of a technically competent commission to "receive, review and comment on suitability of evaluation programs of each College." Each College is to submit an evaluation program by May 1, 1976.

The subcommittee recommendation called for the commission to develop a specific evaluation program for the entire University in cooperation with students, faculty, and administration.

The Senate also deleted recommendations calling for the design, administration and use of evaluation questionnaires to be a student activity and providing for individual faculty members to utilize methods of assessment they feel would be helpful.

A recommendation that surveys of student responses "must not by themselves be regarded as official judgments of faculty competence nor as an adequate assessment for the purpose of improving instruction" was passed.

Staff vacancies

University faculty or staff members who are interested in any of the staff exempt or staff non-exempt jobs listed below may apply by calling Employment Division, 855-1387 (Network Line 475-1387). Do not contact the area having the vacancy. Applications will be accepted until 5 p.m.

THURSDAY, MAY 22, 1975
OFFICER — Capitol Campus

Responsible for supervising the academic records and associated data processing function of the Capitol Campus. Bachelor's degree or equivalent with two to three years of directly related experience in an academic setting or management systems.

ADMINISTRATIVE ASSISTANT (POLITICAL SCIENCE), COLLEGE OF THE LIBERAL ARTS — University Park

The Administrative Assistant is responsible to the head of the Department. Major duties include participation in general academic and administrative planning, course scheduling, the administration of the budget, and the handling of a variety of matters which arise from the day-to-day operation of departmental operation. The Administrative Assistant is responsible for writing letters, memoranda, and major reports, examples of which are new course and new program proposals. In addition, the Administrative Assistant is responsible for the operation of the office and the supervision of the office staff. Bachelor's degree or equivalent, and the ability to take delegation and work independently, to write clearly, and to exercise discretion and maturity in dealing with the problems of the job. One to two years directly related experience in administrative work.

LIBRARY ASSISTANT, CIRCULATION — Hershey Medical Center

Responsible to an Assistant Librarian for the supervision of the circulation process and stacks of the Milton S. Eshelman Medical Center Library. Bachelor's degree with three years total library experience or library school graduate with two years' library experience or high school with seven years appropriate library experience.

The University is an Equal Opportunity Employer.



Wheelchair Games, which will attract more than 200 athletes, the weekend at University Park.

Wheelchair games this weekend

The Eighth Annual Pennsylvania Wheelchair Games, attracting more than 200 handicapped athletes, will be held this weekend (May 16-18) at University Park, making use of Penn State facilities in Beaver Stadium, Natatorium, Parking Lot 80, and the Ice Rink. Admission to all of the events is free, and the general public is not only invited but urged to see some of the top handicapped athletes in the nation in competition.

"This is an opportunity for able-bodied people to see what handicapped people can do, when they work at something as hard as these athletes have," says John A. Doolittle, associate professor of physical education, who is coordinating the games. "But it is also an opportunity for many handicapped people to gain encouragement from others who have physical problems, perhaps like their own."

Many of the athletes will be competing to qualify for national games later in the year, and some of them are looking toward the Olympics for Handicapped next year.

In the weight lifting event, for example, four of the five national record holders will be on hand.

"There will be athletes from 14 states, representing 23 teams, in the track and field events and other sports," Doolittle adds. "We have received entry blanks from the University of Illinois, Southern Illinois University, and Kent State, in addition to many Eastern colleges. We have always called these the Pennsylvania games, but in reality they have become regional and constitute one of the biggest wheelchair sports events in the nation."

On Friday, May 16, competition will begin in swimming at the Natatorium, and weight lifting in the Ice Rink at 6 p.m.

Saturday, May 17, track and field preliminaries will begin at 9 a.m. in Parking lot 80 and Beaver Stadium. Archery also begins at 9 a.m. Table tennis will be held in the Ice Rink at 6 p.m.

Sunday's events include track and field finals in Beaver Stadium and Parking Lot 80 at 9 a.m.

Art historians meeting this weekend

A three-day conference on recent research in Byzantine and Western Medieval manuscript illumination will be held Friday through Sunday, May 16-18, at the Conference Center, sponsored by the Department of Art History and the Institute for the Arts and Humanistic Studies.

Prominent art historians from eight universities across the United States, including authors of important standard works in the literature of the field, will give presentations, among them Dr. Hugo Buchthal, New York University, author of "The Miniatures of the Paris Psalter," a text on the most famous Byzantine manuscript of the tenth century. Also speaking will be Dr. Joachim Gaehde, Brandeis University, author of the facsimile edition of "The Bible of San Paolo fuori le Mura," and Dr. David H. Wright, author of "The Vespasian Psalter," the facsimile edition of a notable eighth century English manuscript.

Others offering presentations will be Dr.

John W. Williams, University of Pittsburgh, Dr. Martin Werner, Temple University, Dr. Annemarie Weyl Carr, Southern Methodist University, Christine Havice Pearce, University of Kentucky, Dr. Anthony Cutler and Dr. Bertram Davezac of the faculty, Leslie Brubaker and Judith Cave, graduate students.

An exhibit of manuscript facsimiles and rare books on Byzantine and Early Medieval Art is on display in the Rare Book Room of Pattee Library in conjunction with the conference.

Members of the University community are welcome to attend sessions of the conference. No admission will be charged, but those wishing to attend should register at the Conference Center before 2:00 p.m. on Friday, May 16.

For further information, interested persons may contact Ronald Avallone, conference coordinator, at the Conference Center, 865-7557.

At 62, under certain conditions

SS benefits for idle summer period

University employees age 62 or older who will not be working during the summer months may qualify for social security benefits for one or more of the summer months provided certain conditions are met. This provision of the Federal Social Security Act covers situations such as faculty and staff members whose contracts do not require service during the summer term or other employees placed on summer layoff. An employee does not have to be retired to qualify and may still be receiving salary payments.

All employees age 62 and over who will not be working during the summer may wish to contact their closest social security office to determine whether or not they qualify.

Deadline nears for changing to TIAA

In 16 days, the provision permitting members of the State Employees' Retirement System (SERS) to change their retirement plan membership to the Teachers' Insurance and Annuity Association (TIAA) will end.

This option was first made available on September 1, 1974 and will no longer be available after May 31, 1975. The one exception to the absolute deadline date of May 31 applies to SERS members with less than 10 years of retirement credit who may wish to remain in SERS until attaining 10 years of credit to qualify for a paid-up annuity under the vesting provision. Within 60 days after reaching 10 years of SERS credit, a member may then vest his or her SERS account and switch to TIAA.

General information and all required forms are available in the offices of personnel representatives, business managers, and personnel officers.

News in brief

HONORED BY THESPIANS

Kenneth L. Holderman, who retired as vice president for Commonwealth Campuses in 1974, and George L. Donovan, who retired in 1968 as assistant to the vice president for student affairs, were honored by Penn State Thespians May 10, just before the final performance of Thespians' annual spring show. They were cited for their distinguished service to the organization over a long period of years. Also honored was Grace Baer Holderman, who assisted in producing the organization's 50th anniversary revue and was chairman of the alumni committee that planned the 75th anniversary revue. Receiving the Thespians' Award for Distinguished Contributions to the Performing Arts was professional theatre costume designer Carrie Fishbein Robbins.

WELSH RECEIVES BARASH AWARDS

Robert (Bob) Welsh, who is a senior in marketing and is widely known for his antics as the Penn State Nitary Lion for the past two years, has been named to receive the first Barash Award for Human Service. President Oswald said he was selected to receive the award not only because of the outstanding spirit he brought to the athletic teams but also because of his willingness to participate in many community and campus projects. In all, 22 nominations of students, faculty and staff members were made for the award.

COMMENCEMENTS —

(Continued from page one)

haas, assistant dean for Commonwealth Campuses, College of Engineering, will speak. Thirty-three degree candidates.

University Park Campus, 10:30 a.m. in Beaver Stadium. William T. Coleman, Jr., Secretary of Transportation, will speak. More than 5,000 degree candidates.

Berks Campus, 10:30 a.m. on the South Quadrant Parking Area, Broadcasting Road. Dr. Theodore E. Kiffer, director of the General Education Program of the University and former assistant director for resident instruction at the Berks Campus, will speak. 141 degree candidates.

Delaware County Campus, 11 a.m. in the general administration building. Dr. Harold J. O'Brien, associate dean for Commonwealth Campuses in the College of The Liberal Arts, will speak. Thirty-five degree candidates.

Mont Alto Campus, 11 a.m. outdoors on campus. Dr. Maurice K. Goddard, secretary of the Pennsylvania Department of Environmental Resources, will speak. A total of 113 degree candidates.

Worthington Scranton Campus, 2 p.m. on campus. Donald D. Moyer, executive director of the Greater Scranton Chamber of Commerce, will speak. 75 degrees.

Sunday, June 1:

Shenango Valley Campus, 1:30 p.m. in the Auditorium. Joseph Douglas, associate dean of academic instruction for Commonwealth Campuses, will speak. Fifty-three degree candidates.

Beaver Campus, 2 p.m. in the gymnasium. The Rev. Henry J. McAnulty, president of Duquesne University, will speak. Seventy-four degree candidates.

New Kensington Campus, 2 p.m. in the Little Theatre. Dr. Stanley O. Kenworthy, senior vice president for University development and relations, will speak. Sixty degree candidates.

Fayette Campus, 2 p.m. in the Fayette Campus Auditorium. The high honor student in the graduating class will speak. Seventy-eight degree candidates.

Altoona Campus, 2:30 p.m. in Adair Physical Education Complex. Dr. Henry J. Hermanowicz, dean of the College of Education, will speak. 196 degrees.

Sunday, June 8:

Capitol Campus, 2 p.m. in the Hershey Community Theatre. Pennsylvania Representative Steven Reed will speak. A total of 47 baccalaureate degree candidates and 77 masters degree candidates.

PENN STATE intercom

Volume 4, Number 36

May 22, 1975

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

Faculty convocation: Budget and the Senate

President Oswald:

Serious economic problems in the State and in the Nation related to inflation and recession present serious problems for higher education and for Penn State, President John W. Oswald said at the second annual Faculty Convocation May 13.

He spoke in University Auditorium, and the program, which also included a talk by Dr. Helen I. Snyder, chairman of the University Faculty Senate, was broadcast by a telephone network to assembly areas on each of the University's 22 campuses.

The initial appropriation request for 1975-76 was for \$18.5 million more than the \$94 million received for the current year. This was increased to \$19.5 million more, or a total of \$114.5 million, in January when it was learned there would be another increase for State retirement costs. Over 90 percent of the increase over last year was necessitated by inflationary costs and rising retirement costs.

"We are working closely with legislators on our appropriation needs," Dr. Oswald said, and he emphasized that "we are not unaware of the very serious fiscal problems the State, as well as other states, now face."

In spite of the bleak economic picture, Dr. Oswald said we are not planning wholesale cutbacks in Penn State programs and he specially mentioned newer programs, including the Educational Opportunity Program and the Developmental Year Program, which he said he does not consider "a social experiment" but a part of the University.

He said the State budget proposal in the area of research is very disturbing, with the budget calling for a direct 20 percent cut in research funds.

There is no question but what we will have salary increases for employees, he continued, noting that there is a question as to what level we can achieve and as to when they will be made because there is a need to have some indication as to the action the Legislature may take on the University appropriation request.

He also said that some budget actions, such as action on tuition, may have to be delayed beyond the May meeting of the Board of Trustees until there is more indication of action on the University appropriation by the Legislature, which will be in recess until early June.

Over the last four years, Dr. Oswald said, we have reallocated \$9 million from less critical to more critical parts of the University and recently we leveled assessments on each unit, including all administrative units, to make more funds available for recycling. We are collapsing some 240 vacant positions, he said, among them the vacant Vice-President for Public Affairs position, to make funds available for use elsewhere.

President Oswald said he was especially concerned about a tuition increase that State budget recommendations would indicate would result in a change in the mix of our student body. While there may be funds available to help those most in need, those in the lower middle income group may have problems.

He mentioned that more than 33,000 applications for admission for next year

Dr. Helen Snyder:

The following is a verbatim report of the talk given by Dr. Helen Snyder, outgoing chairman of the University Faculty Senate, for the Faculty Convocation May 13.

It is an occasion both for modest rejoicing and sober reflection when the Senate chairman has the opportunity to review for the faculty the status of shared governance with respect to Senate actions for the academic year just ending. I shall not calendar the entire spectrum of activities by the Senate; you have sampled these through the appropriate sections in INTERCOM and in your own meetings with your Senators. Instead, I shall focus on only two sets of activities which have, I believe, singularly important implications for the future of the Senate and of shared governance as a concept in a collegial setting. The first is the Senate's legislation on relevant recommendations from the so-called Governance Report; the report of the Joint Senate-Administrative Select Committee on Faculty Participation in University Governance. The second is the amalgam of impressions, information and tentative recommendations that I have gleaned as I have visited each of the Commonwealth Campuses, the Capitol Campus and Behrend College. I have been invited to one college caucus on the University Park campus and gained valuable information there, as well.

SENATE ACTIONS ON THE GOVERNANCE REPORT

Recommendations bearing on faculty peer review procedures for tenure and promotion:

The general thrust of the recommendations was that such procedures should be codified, readily available for scrutiny by the faculty, and provide for inclusion of appropriate representatives from the relevant sections of the faculty in such review committees as are established in departments, colleges and campuses and at the university-wide level.

Senate action was completed at the May 6 meeting on the so-called Rank and Tenure report from the Senate Faculty Affairs Committee. In amended form, which I shall summarize briefly, the document was approved with only four dissenting votes in the Senate. I take this as evidence of a well-thought-out consensus of the overwhelming majority of Senators.

Following are key provisions in the document. The Senate recommends to the President:

1. Tenure be granted by degree-granting unit. That is, a faculty member achieves tenure in a college, whether one of the ten centered at University Park, the Hershey Medical School, the Capitol Campus or the Behrend College. In addition, by explicit provision, the University libraries may grant tenure. Notice that this is a refinement, and in my opinion, an improvement over the earlier dichotomy of University-wide tenure versus "split" tenure between University Park and the Commonwealth Campus system. Tenure resides within the academic unit wherein the faculty member practices his profession; in most cases, that means within the discipline with which he is identified.
2. The decision, in the final analysis, as to whether a faculty member is to be

awarded tenure be moved from the college dean or cognizant administrative officer to the President of the University. The authority for granting tenure, therefore, now parallels that for granting promotion to the ranks of associate and full professor.

3. The procedure by which a faculty member is recommended for both promotion and for tenure must reflect the unique context in which he works. Thus for a faculty member working on one of the Commonwealth Campuses, that committee within the relevant college shall be comprised of a majority of members from the Commonwealth Campuses.

4. At least annually, each faculty member shall receive from his department head, along with other administrative officers as are appropriate, a projection of the proportion of his time expected to be devoted in the coming year to teaching, research, and other scholarly activities, community service and service to the department, college, campus or University. Decisions as to promotion and attainment of tenure are expected to rely heavily on such documented statements of duties.

Another set of Governance recommendations bears on the reassessment and realignment of Senate committees vis a vis the administrative structure of the University. Action addressing that charge was completed at the special Senate meeting on Monday evening, May 5, 1975.

The general focus of the governance recommendations was that the Senate should be the sole voice of the faculty on matters specified in its constitution as advisory to the President. The need as therein described was that a Senate advisory committee should exist for each major administrative officer; he should be a member on the committee and the advisory role of the Senate should include the provisions for adequate deliberation time, full access to data, opportunity to explore alternatives and reports back on administrative actions subsequently taken.

The Senate approved the creation of fourteen committees. Although some have the same titles as existing committees, most have had some changes in duties and occasionally in membership. I shall, therefore, list the committees and comment briefly on each:

Committee on Committees and Rules: selects members for all other committees except the Intra-University Relations Committee and provides the central administration with lists of nominees for certain non-Senatorial committees. The Committee is charged with monitoring the actions of the Senate to assure that violations of the basic documents: constitution, bylaws and standing rules do not pass unnoticed.

Intra-University Relations Committee: retains responsibility for assessing the impact of projected Senate actions on the geographically dispersed units of the University.

Committee on Admissions, Records and Schedules: self-evident from title but now includes some duties formerly under Academic Affairs.

Committee on Curricular Affairs: duties essentially the same as in the past: scrutiny of all courses and pro-

TIAA reminder

Faculty and staff members participating in the State Employees' Retirement System (SERS) are again reminded of the upcoming May 31 deadline date for switching to the Teachers Insurance and Annuity Association (TIAA).

Each plan has distinctive features which may suit the particular needs of certain individuals. A comparison of the basic provisions of both systems was provided to SERS members with the initial announcement letter issued in September, 1974. Copies of the comparison fact sheet are still available in the Office of Employee Benefits, 133 Willard Building.

No action is necessary when a member decides to remain in SERS but forms must be completed by May 31 if a member elects to switch to TIAA. Changes will not be accepted after that date except for those members who elect to remain in SERS until completing the vesting requirement of ten years of service credit.

Calendar

May 22-31, 1975

Special Events

Friday, May 23 — Open House for Don and Ada Josephson, 2-4 p.m., Borland Lab., top floor

Monday, May 26 — Sports: Baseball, vs. Navy (2), 1 p.m. Men's tennis, vs. Navy, 3 p.m.

Friday, May 30 — Phi Beta Kappa Initiation, 5 p.m., Room 112 Kern. Dinner, 6 p.m., Nittany Lion Inn. Dr. Ernest Pollard, speaker, on "Science and Creation of Literature."

Official

Thursday-Saturday, May 22-24 — Final exams.

Saturday, May 31 — Commencement, 10:30 a.m., Beaver Stadium. In case of rain, indoor ceremonies at 10:30 a.m. and 2 p.m., Recreation Bldg., and University Auditorium, and at 10:30 a.m. in Schwab Auditorium.

Seminars

Thursday, May 22 — Microbiology, 1 p.m., Room S2 Frear. Stephen D. Miller on "The Great Silicosis — Effects on T and B Lymphocyte Immunocompetence and Macrophage Function."

Thursday, May 22 — Microbiology, 4 p.m., Room S2 Frear. Dr. F. Lilly, genetics, Albert Einstein College of Medicine, New York, on "A Genetic Analysis of Leukemia in Mice."

Friday, May 23 — Mathematics, 4 p.m., Room 115 McAllister. P. Hinman on Logic.

Friday, May 23 — Biology and Microbiology joint seminar, 9:30 a.m., Room 333 Whitmore. Hal Hoffman, National Cancer Institute, NIH, on "Gene Regulation of Murine Catalse."

Exhibits

Museum of Art — Ancient Peruvian Ceramics from the collection of Dr. and Mrs. Kahl Markley, Gallery A. Twenty paintings on wood panels, dating from the 14th century, Samuel H. Kress Memorial from the collection of the Allentown Art Museum.

Zoller Gallery — Art Student Show, through May 24.

Kern Gallery — Jeannette Foner, oils and prints. Decorative fabrics from Mode.

HUB Gallery — "African Arts," Smithsonian Institution Exhibit. Lee Collier, paintings, until May 23. "Penn State Equestrian Team Exhibit," until May 23.

A variety of faculty honors



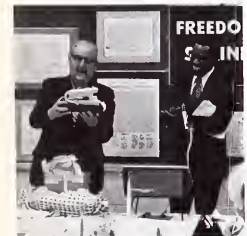
Dr. E. Willard Miller, left, professor of geography and associate dean for resident instruction, College of Earth and Mineral Sciences, received a citation from Gov. Milton P. Shapp, for his work in producing "Socioeconomic Patterns of Pennsylvania: An Atlas." Dr. Miller displays the citation, Gov. Shapp a copy of the publication. Recently the Pa. Dept. of Commerce gave Dr. Miller a meritorious service award for the publication, which reveals differences and similarities in the spatial organization of the state, providing a measure of some of the social and economic contrasts between counties and regions.

Dr. Yoshio Fukuyama, professor of religious studies, received an honorary doctorate of divinity degree Monday, May 19, during commencement exercises at Doane College, Crete, Neb. He also delivered the baccalaureate address to the graduates. A 1943 graduate of Doane, where he received his baccalaureate degree in economics, Dr. Fukuyama earned a bachelor of divinity degree and a doctorate in the sociology of religion from the University of Chicago.

Prior to joining Penn State's faculty in 1967, he taught at the American school in Talas, Turkey, and was an instructor at the Union Theological Seminary. He was associate director of the Church Federation of Greater Chicago's Bureau of Research and Planning and served as director for research for the United Church Board for Homeland Ministries in New York City. Last year, he was visiting professor of the sociology of religion at the Doshisha University, Kyoto, Japan, and a research fellow at the Center for the Study of Japanese Religions in Kyoto.

Retirement

Harold J. Herbein, associate professor of engineering at Berks Campus, was honored May 2 at a retirement dinner given by faculty and staff members of the Cam-



Harold J. Herbein received a Penn State Mittylin Nite statuette among other gifts at a retirement dinner May 2 at Berks Campus. Joseph F. Ougli, associate dean for Commonwealth Campuses, added his congratulations for Herbein's 26 years of service to the University.

pus. He joined the University faculty as instructor in engineering extension, Central Extension, in 1947 at the Allentown Center. A Penn State graduate in 1931 in electrical engineering, he received an M.S. the following year. He was in industry for many years before joining the faculty, and in 1941-42 was a technician with the Philadelphia Ordnance District. He was named assistant professor in 1949 and associate professor in 1956 while still at the Allentown Center. As an author, he wrote "Rotating Machinery," a textbook for students of electronic technology, published in 1971. He has served as a member of the University Senate ever since Commonwealth Campuses have had representation.

Oliver S. Holt, chief of the Serial Department of University Libraries, has been named to receive the Award for Outstanding Contribution to the University Libraries and will receive the award at a ceremony Wednesday, May 28, at 2 p.m. in the courtyard of Pattee Library.

A reception will be held following the ceremony, and friends of Mrs. Holt are invited to attend.

Mrs. Holt served in the Library from September, 1933, until October, 1942, when she left for family reasons. In 1951, she rejoined the staff on a part-time basis. In 1965 she was appointed Serials Catalog Librarian and in July, 1972, was named to her present post.

Charles Mann, head of Special Collections, received the first award under this program last year. The annual award goes to the person who has made a significant professional contribution which affects the operations or professional standing of the University Libraries or who has exhibited excellence of service.

William Davis, assistant director of exhibitions in the Museum of Art at University Park, was a double winner in the program, "Arts '75" at Altoona Campus May 9-11. The State-wide Arts and Crafts Festival attracted artists from many distant places and crowds which were estimated to total 12,000 to see the juried art show, works of many performing artists, and a variety of other programs.

Davis won an award for distinction in the Professional Fine Arts category for a pencil drawing, "Boys Room Floor" and also for "Tree House."

A. Mark Battaglia and Donald Leslie, both assistant professors of landscape architecture, were presented with plaques by the senior class in landscape architecture recently for "outstanding contributions through the teaching profession."

President Oswald will be conferred the doctor of humane letters degree by Gettysburg College at a commencement exercises on Sunday, June 1.

Joseph V. Paterno, professor of physical education and head football coach, has received the 1975 Liberty Bell Award of the Young Lawyers' section of the Pennsylvania Bar Association. The award is made in "recognition of outstanding community service which strengthens the effectiveness of the American system of freedom under law."

Dr. Daniel P. Knievel, assistant professor of agronomy, recently received a certificate of recognition from The Crop Science Society of America for presenting the best paper at the 6th session of Division C-3 (Crop Ecology, Production and Management) at its 1974 annual meeting in Chicago. The paper entitled "Carbon Translocation in Blue Grama, Buffalograss, and Western Wheatgrass" reported research results obtained in cooperation as part of the research effort in the grassland biome of the International Biological Program.

Berks board

Mrs. Ruth F. Kitzmiller, of Wyomissing, has been elected chairman of the advisory board of the Berks Campus, the first woman to hold the post there. She has been a member of the board since 1971, and she served as the chairman of the board's fine arts committee during the past year.

A graduate of New York University, Mrs. Kitzmiller taught art and physical education at Berks Campus on a part-time basis from 1960 to 1969, when she was appointed instructor of art on a full-time basis.

Very active in community affairs, she was on the Wyomissing School Board for 12 years and its president for three years. She also served on the Wyomissing Recreation Board and was its president for two years.

Elected vice president was Robert A. Kline, vice chairman of a Reading advertising agency, and elected treasurer was John K. Kooker, Jr., a Blanton, Pa., dairy farmer.

Deaths

Margaret I. Brennan, who retired in 1966 as associate professor of Romance languages and speech after serving on the faculty for a total of 20 years at Pottsville Center, Hazleton, and finally Schuylkill Campus, died April 25 in Shenandoah, Pa. She was born in 1897 in Shenandoah. A graduate of Columbia University with a B.S. degree in French, she obtained an M.A. in French in 1936, also at Columbia, and studied further at Penn, New York University, Bucknell, West Chester, and Penn State. She taught in the secondary level before joining the Central Extension staff in 1946, as assistant professor of liberal arts.

William G. Edwards, who served on the faculty in Forestry from 1914 until retirement with emeritus rank in 1948, died May 17 at the age of 87. He received a B.S. degree from Geneva College in 1910 and a B.S. in forestry from Penn State in 1914. He also obtained a master's degree in botany from Penn State in 1915 and an M.S. in forestry from University of California in 1925. He was an assistant in forestry and botany in 1914-16, instructor in 1916-17, served with the 10th and 20th Engineers of the U.S. Army in 1917-19, and was named assistant professor of forestry in 1919. He was promoted to professor of lumbering in 1924. Following retirement he was active as a consultant for several lumbering companies. He was very active in community affairs and a member of a number of professional societies.

Funding Opportunities

For procedural and funding source information, call 865-1372.

May 22, 1975
(160-1) Funding criteria for the Career Education Program have been issued by the Office of Education. These criteria include providing opportunities for counseling guidance, and career development for children and youth. The concept of the education program beyond the school into areas of employment and the community; and eliminating any distinctions between education for vocational purposes and academic education. This information has been distributed. (Ref. 40FR20333-36, 5/9/75) (CFOA 13,554)

(160-2) Grant guidelines for the Architecture and Environmental Arts Program have been issued by the National Endowment for the Arts (NEA). June 2, 1975 is the deadline date for the public Education and Awareness" (also Jan. 2), "Academic and Professional Research" (also Jan. 2), and "Assistance to State Arts Agencies." Nov. 3, 1975 is the deadline for "National Theme: Cityscapes and American Landscapes," "Design and Cultural Facilities" and Jan. 2, 1976 for "Services to the Field" and "Design Fellowships." "General Programs" have no deadlines. For information and application forms, contact John Kerr, Director, Architecture and Environmental Arts Program, NEA, Washington, D.C. 20506 (202-634-4276).

... Artists in Schools guidelines have also been issued by NEA with a July 1, 1975 deadline for the 1975-77 school year. For information and application forms, contact John Kerr, Director, Education Program, NEA, Washington, D.C. 20506 (202-634-4276). This information has been distributed. (Ref. 40FR20333-36, 5/9/75)

(160-3) The Environmental Protection Agency (EPA) has issued general grant regulations and procedures effective June 15, 1975. Federal EPA grants awarded after that date. This information has been distributed. (Ref. 40FR20333-36, 5/9/75)

(160-4) Rules and regulations for Cooperative Education Programs have been issued by the Office of Education including funding criteria for institutional programs, training, development, and research projects. This information has been distributed. (Ref. 40FR20333-36, 5/9/75)

(160-5) The Robert Wood Johnson Foundation is interested in improving health care in the United States. It supports improvements in access to health care, performance of health care services, and the development of mechanisms for the objective analysis of public policies in health. Applications should consist of a letter stating objectives, needs, resources, personnel, organization and individuals, mechanisms for evaluating results, a budget, and tax exempt status. Applications should be addressed to Miss Margaret E. Mahoney, Vice President, The Robert Wood Johnson Foundation, P.O. Box 2316, Princeton, N.J. 08540. (Ref. RWJF Annual Report 1974).

(160-6) The Woodrow Wilson International Center for Scholars announces its residential fellowship program of advanced research and communication. Eligibility is limited to the post doctorate level. These divisions comprise the organization and individuals, mechanisms for evaluating results, a budget, and tax exempt status. Applications should be addressed to Miss Margaret E. Mahoney, Vice President, The Robert Wood Johnson Foundation, P.O. Box 2316, Princeton, N.J. 08540. (Ref. RWJF Annual Report 1974).

Dr. Samuel O. Pritchard, Jr., a member of the faculty since 1967 and assistant professor of speech communication at Hazleton Campus since 1970, died May 13 at his home in Lyons, Pa., at the age of 51. He was graduated from the University of Redlands, California, with a degree in history, and received an M.A. in speech from the same university. He received the Ph.D. from Penn State in speech. Prior to joining the University Park faculty, he had taught at Bloomsburg State College, SUNY at Albany, Dana College in Blair, Neb., Lehigh University, University of Iowa, and the University of Maine.

Dr. Vernon M. Albers, who retired in 1967 as professor emeritus of engineering and was chief scientist and assistant director of the Ordnance Research Laboratory (now Applied Research Laboratories), died May 15. He was born in 1902 in Minnesota. He was graduated from Carlton College and received advanced degrees from the University of Illinois. Prior to joining the O.R.L. staff in 1945 he served as research physicist with the C. F. Kettering Foundation at Antioch College, as a National Science Foundation Fellow at Princeton University, and as head of the physics department at Eastern Kentucky State Teachers College. He was widely known for his work on the propagation and transmission of sound in the ocean and was author of "Underwater Acoustics Handbook," published in 1960. In 1961, he directed a nine-nation NATO Institute on underwater acoustics in London, England, and planned a similar institute in Denmark in 1966.

at Smithsonian Institution Building, Washington, D.C. 20560. (Ref. WJFWS announced)

(160-7) The Oanhon Foundation has invited us to nominate four students for Oanhon Fellowships. Interested students should contact Oanhon, c/o F. H. Howell, 317 Kern Graduate Bldg., State University of New York at Stony Brook. Applicants must demonstrate (1) flexible, broad, superior intellectual ability; (2) personal characteristics contributing to effective teaching and constructive interaction with students; evidence of a concern for the relation of ethical and religious values to disciplines, the educational process, and social development; and (3) demonstrated leadership in a field commensurate with a liberal arts curriculum, be under 35, not yet have started graduate work, be planning to undertake graduate work in the U.S. in the fall of 1976. Fellowship pays \$2275/year plus dependency allowance and tuition for up to 4 years. Requests for nomination should be addressed to: Oanhon Foundation, 317 Kern Graduate Bldg., and should include copies of transcripts, three letters of recommendation, and a vita detailing the qualifications of the applicant for the fellowship. Including evidence (not just claims) showing that the applicant has the qualifications sought by the Oanhon Foundation. These materials must reach 317 Kern Graduate Bldg., State University of New York at Stony Brook, by May 15, 1976 (application deadline is Sept. 17) and have the scores sent to the Oanhon Foundation, 222 S. Central Ave., St. Louis, Mo. 63105.

(160-8) A limited number of applications for Department of Housing and Urban Development (HUD) research fellowships are available to interested students in 317 Kern Graduate Bldg., Stony Brook planning research on housing or urban studies are urged to apply. The deadline for application is May 15, 1975. The award provides up to \$10,000 including a \$4000 stipend to the student. Each application must be submitted through the University office of Grants and Contracts using standard clearance data forms. The next application deadline is Oct. 1, 1975. Obtaining University clearance means that the application must start from the appropriate departmental office by approximately Sept. 16. The deadline is Oct. 1, 1975.

(160-9) National Endowment for the Arts, Grants Office, Washington, D.C. 20506, has set a June 2, 1975 as the next application deadline for its Oanhon Fellowships. For further information write to the address given above.

(160-10) The Office of Education has announced funding criteria and a June 6, 1975 deadline for the Federal Education Study Center program. Assistance will be provided for a maximum of 14 centers in East Asia, the Middle East, the Soviet Union, and Eastern Europe. Two types of centers are funded: undergraduate centers to train students for continuing study and for direct entrance into a profession and comprehensive centers for advanced study, research, and training and research. This information has been distributed. (Ref. 40FR20343-44, 5/13/75) (SFOA 13,435)

REMINER AND DEADLINE DATES
May 22 for NSF/NRF Energy Storage Research (April 24 INTERCOM #17-63). • June 1 for NSF/NRF Energy Storage Research (April 24 INTERCOM #17-63). • June 1, Oct. 1, Feb. 1 for several NSF programs (April 17 INTERCOM #17-61). • June 1 for the HRA research programs (April 17 INTERCOM #17-61). • June 1 for the HRA research programs (April 17 INTERCOM #17-61). • June 1 for the availability of NEI RFPs on RAO in Education (April 17 INTERCOM #17-61). • June 1 for NEH Consultants Grant Program (April 17 INTERCOM #17-61). • June 1 for Fulbright-Hays Program (April 17 INTERCOM #17-61).



Service award for Coach Boyle

Joseph E. Boyle, center, had his first contact with Penn State as a student, just after World War II service in the U.S. Navy. A major in agronomy, Boyle became one of the golf team's outstanding players and was captain of the 1949 team. In April of 1950 he became Penn State's assistant golf coach, to handle the national golfers and to aid Robert B. Rutherford, Jr., head coach. In 1958, Rutherford retired, and Boyle became only the third Penn State golf coach in history. In 1957, Boyle was appointed an instructor in physical education. He received the 25-Year Service Award recently from Dr. Robert J. Scenell, dean of the College of Health, Physical Education and Athletics, right, with an assist from Edward M. Czakka, director of athletics. Boyle's golf teams have won better than three-fourths of their matches in his 16 years at the helm. Boyle has served as president of the U.S. Golf Coaches Association and as chairman of the NCAA athletic II selection committee. He is administrative assistant for golf course operations.

10,000 received associate degrees

Penn State leads the Nation in graduating students from associate degree engineering technology programs accredited by the Engineers' Council for Professional Development.

According to Ernest R. Weidhaas, assistant dean for Commonwealth Campuses in the College of Engineering, since 1955 more than 10,000 University students have received associate degrees in engineering technology after completing two-year programs.

And the graduates of these programs have had a "very good" success rate in finding jobs and are "well received by business and industry," reports the University's Career Development and Placement Office.

There are 12 majors in engineering technology which lead to the associate degree: aerospace engineering technology, air pollution control engineering technology, architectural engineering technology, biomedical equipment technology, chemical engineering technology, electrical engineering technology, highway engineer-

ing technology, materials technology-metallurgy option, mechanical engineering technology (drafting and design), mining technology, nuclear engineering technology and surveying technology. These programs are offered at various Commonwealth Campuses of the University.

Dean Weidhaas also points out that Penn State ranks first nationally in graduating students from ECED-accredited engineering technology programs when programs leading to both associate and baccalaureate degrees.

The rankings are based on a survey by John Alden, executive secretary of the Engineering Manpower Commission of the Engineers' Joint Council.

DR. SNYDER —

(Continued from page one)

grams in the university with respect to their academic soundness. Committee on Academic and Athletic Standards: largely as in the past.

These are modified forms of familiar committees. The "new" committees: those paralleling administrative offices are as follows:

Committees expected to be advisory on policy matters to Admin. officers: Committee on Undergraduate Instruction: the cognizant central administrative officers are the Vice President for Undergraduate Instruction and the Academic Dean for Instruction at the Commonwealth Campuses. These officers or their designated representatives are expected to attend all meetings of the committee. The same proviso exists for each of the remaining committees.

Committee on Continuing Education: cognizant administrative officers are the Vice President for Continuing Education, representation from the Council of Academic Deans and from the Dean for Academic Instruction at the Commonwealth Campuses.

Committee on Extended Degrees: advisory on policy matters to the Vice President for Undergraduate Instruction and the Academic Dean for Instruction at the Commonwealth Campuses.

Committee on Libraries: consultation to the Dean of University Libraries.

Committee on Research: advisory on policy matters to the Vice President for Research and Graduate Study.

Committee on Faculty Affairs: former duties but also advisory on policy matters to the Provost.

Committee on Student Affairs: former duties but also advisory to the Vice President for Student Affairs on policy matters. Adds Awards and Scholarships to the duties of the Committee.

Committee on External Affairs: as before but also advisory to the Vice President for Public Affairs.

Committee on Planning and Development: advisory on policy matters to the Senior Vice President for Development and Relations, the Director of Planning and Budget Officer of the

By purchasing season tickets

Get good seats for Artists Series

The sale of season tickets for the 1975-76 Artists Series is underway and will continue through the summer as long as seats last.

Why buy a season ticket now? 1. Assuring yourself of a better selection of seats, because orders are honored in the sequence that they are received. Your seats will be assigned as close as possible to the area you have indicated your preference for. 2. Save money — anywhere from \$3 to \$15 over individual ticket prices. 3. Eliminate the need to stand in long lines for the tickets, only to find the "sold out" sign up. 4. To be given the privilege of purchasing tickets for special events before the general sale goes on.

For information, a brochure, order card, or assistance, just call 865-1871, or visit the Artists Series office, 203 Schwab between 9:30 a.m. and 3:30 p.m.

Canadian officials offer services

Two Canadian officials, Richard Seaborn of the Canadian Embassy in Washington, D.C., and Pierre Duchesnel, of the Consulate in Philadelphia, have offered materials and services to Penn State faculty members who might have interests in Canada for themselves or for their students.

The two made the offer of their help after a visit to the University recently that was arranged by Dr. Henry S. Abinski, professor of political science, so they could learn first hand of the instructional research activities in progress here touching on Canada. During their visit, they met with Dr. Stanley O. Ikenberry, senior vice president for University development and relations; Dr. Stuart Ford, dean of Libraries, and members of the faculties of economics, education, French, political science, and speech communication.

Any faculty member interested in taking advantage of the kind offer should address inquiries to Mr. Seaborn, c/o Embassy of Canada, Office of Information, 1771 N. Street, N.W., Washington, D.C. 20036; or to Mr. Duchesnel, c/o Canadian Consulate, Suite 1310, Three Parkway, Philadelphia, Pa., 19102.

Military leave policy explained

This is the time of year when military reservists and National Guard members may be making requests for leaves of absence for annual military training duty.

The University, in accordance with the law, grants leaves of absence without salary for annual training duty, regardless of an individual's length of regular University service. In addition, University policy provides that if a regular faculty member or employee has six months of regular University service prior to the date of the requested leave, the leave is granted according to the provisions of PS-20 (Leave of Absence for Annual Military Training Duty).

PS-20 provides that a regular faculty or staff member on a 12-month basis, whose military base pay is less than his or her University salary would be for the same calendar period, will be paid the difference by the University for a period of active duty of at least seven calendar days up to a maximum of fifteen calendar days, upon request by the faculty or staff member.

A faculty or staff member may elect to charge the ENTIRE period of training to accumulated vacation. In such instances, the individual continues to receive full salary from the University.

University, the Vice President for Business and the Dean of Academic Instruction for Commonwealth Campuses.

Finally, in action in December, the Senate created an Advisory Committee made up of the four officers of the Senate and three faculty members elected by the Senate to serve the advisory committee to the President.

In another series of actions, the Senate resigned internal duties of officers and committee chairmen to speed consideration of issues and to facilitate smooth transition from one set of officers to another. In summary, only one of the Governance Committee's recommendations, the expediting of which was charged to the Senate, remains to be done. That deals with the constituency of the Senate; a number of groups not now represented in the election units of the Senate are requesting inclusion. The Committee on Committees and Rules expects to bring a recommendation to the Senate in June on that matter.

Effectively, I believe it is fair to say that the Senate has acted upon the Governance recommendations seriously, debated them in depth, and achieved a very substantial consensus in the actions it has taken to implement the recommendations.

The second topic on which I wish to talk is, in fact, another of those recommendations. The 33rd charges the Senate chairmen with visiting the several campuses of the University, as I said earlier, I have done so. Only the Hershey Medical School and the King of Prussia graduate center were omitted from my itinerary — not because they are of no interest but because a visit there was not as immediately germane to the concerns of the Senate as others and time was limited. On most of the visits, Executive Secretary of the Senate Oscar Barkman accompanied me. We found this an effective sharing of duties since he could talk with the relevant staff about recording and communication problems and in our talks with faculty and students, he could describe the role of the Senate office while I explored the academic concerns and expectations of each group. We were treated with that courtesy that is rare, as equals among equals. Talk was frank, open, and per-

ceptive. We spent a full day with each group and could have spent much longer with profit.

As many of you know, I have been at Penn State for quite a good many years, but I must say that I now have a clearer understanding of the complexity of the Penn State System, and the tremendous potential that exists in our very diversity for adapting to the changing conditions of higher education than I could have attained in any other way.

I am left with three concerns on which it seems to me action is needed:

1. Departments must accept responsibility for incorporating those members who serve on other campuses than University Park into the decision structure of the department. Further, the nurturing of faculty and guidance in their career development is a vital role of the department head and the senior faculty, regardless of the campus on which the young faculty member is working. We cannot afford to waste the potential of bright, ambitious faculty members whether or not they are housed at University Park.

2. The Senate must seriously assume its role with respect to delegating authority for developing unique educational programs within colleges and campuses. The Senate must take the issue with which I predict the 1975-76 Senate must deal: how it can bring itself to loosen its grip on the academic programs whose operations do not infringe on the prerogatives of other programs in the University.

3. The Faculty as a whole, and the Senate as its forum, must decide how to balance quality control of academic programs against bureaucratic stifling of educationally meaningful but unorthodox programs. Student evaluations of courses and instructors, grade inflation, pass-fail options — these are but symptoms of an underlying vagueness. We must decide how to attain quality education without mandating lock-step procedures.

In the final analysis, it is not appropriate for me to tell you that the Senate has been responsible, has not evaded tough issues, has acted sensibly and decisively. We are your forum; you are the ones who must decide whether we have discharged the stewardship to which we were elected in such a manner as to serve your intentions.

Staff vacancies

University faculty or staff members who are interested in any of the staff exempt or staff non-exempt jobs listed below may apply by calling Employment Division, 865-1387 (Network Line 475-1387). Do not contact the area having the vacancy. Applications will be accepted until 5 p.m.

THURSDAY, MAY 28, 1975

AUDITING ASSISTANT, CONTROLLER'S OFFICE —

University Park
Responsible to the Assistant to the University Auditor for auditing the various University and bank transactions, securities and certificates of deposits and for any discrepancies that might occur in this audit. An associate degree in Accounting or business school graduate or equivalent in training plus over one year and up to and including two years of directly related experience.

UNIVERSITY SCHOLARSHIP AID

COORDINATOR, STUDENT AFFAIRS —

University Park
Responsible to the Director of Financial Aid for the development and maintenance of the University Scholarship Program. The position is responsible for the initiation, development, and coordination of all University Scholarship relationships. The position carries the major University responsibility for the development of a comprehensive program of scholarships and loans including the surveying of financial resources, planning for future needs and facilities at the Olympic Campus. Supervise maintenance and Operations employees. High School graduate with advanced education in mechanical or electrical trades plus four to eight years related experience.

MAINTENANCE FOREMAN —

University Park
Responsible for the maintenance, operation, repair, and preventive maintenance of the mechanical and utilities installations, building systems, and facilities at the Olympic Campus. Supervise Maintenance and Operations employees. High School graduate with advanced education in mechanical or electrical trades plus four to eight years related experience.

COUNSELOR (CAREER DEVELOPMENT AND PLACEMENT) —

University Park
Responsible to the Dean of Student Affairs for individual and group counseling, focusing primarily in educational/vocational concerns. Assists with placement testing. Summer counseling and orientation. Provides consultation to other members of the Student Affairs staff and campus community. Master's degree in Counselor Education or related field or equivalent plus a minimum of three years applicable experience.

The University is an Equal Opportunity Employer.

English teachers' load unchanged

During spring term 1974, a large number of college English teachers, perhaps a majority, "never had it so good," concludes Dr. David H. Stewart, professor of English, after analyzing the results of a survey of 342 colleges and universities which he conducted.

Dr. Stewart undertook his study for the Association of Departments of English to determine compliance with ADE guidelines on class size and workload. He was also a member of the committee which drew up the guidelines.

DR. OSWALD —

(Continued from page one)

have been received, an increase of 1,800 more than last year. A University Park enrollment of 30,300 students was projected for last year, freshman admissions were on target, but enrollment climbed to 31,300, an increase that it was felt was related to economic conditions.

Noting that back in the good old days of higher education, the early 1960's, State and Federal funds seemed almost unlimited, Dr. Oswald said today we don't have enough dollars for what we consider even minimal support. Dollars, however, do not insure quality and we can have quality if funds are properly spent.

"We must have quality in whatever we undertake," he said. "What we do we must do well."

Dr. Oswald praised the work of Dr. Snyder and the University Faculty Senate during the year for their accomplishments, including the action in placing a joint faculty-administration governance report into effect. Of 22 recommendations in the report directed partially or totally to the President, Dr. Oswald said, 20 have been implemented or are in process of implementation.

He said he welcomed the appointment of a Faculty Advisory Committee to work with him on problems he faces.

Tennis club plans junior tourney

The Penn State Tennis Club and the College of Health, Physical Education and Recreation will sponsor the first PSU Tennis Club Junior Tournament July 1-4 at the Tennis Club (varsity) courts at the University.

The tournament, sanctioned by the Middle States section of the United States Tennis Association, will feature singles competition for both boys and girls in the 16 and under, 14 and under, and 12 and under divisions. Doubles for boys and girls will be held in the 16 and under and 14 and under categories.

Some of the best junior players from Pennsylvania, Delaware, New Jersey and West Virginia are expected to play in the event.

Trophies will be provided by McLanahan Drug Stores.

Tournament director is Dr. James White-side; Helen Magnuson is assistant director; and Mike Shapiro is the official referee.

Capital has art works of students

An art exhibit featuring the work of students, faculty, and staff at Penn State-Capital Campus in Middletown, will be shown in the Gallery/Lounge through Monday, June 9.

According to Maxine Lewis, coordinator of art shows at Capital Campus, the exhibit features paintings, drawings, graphics, sculpture, crafts, and photography. All work shown has been created by members of the Penn State-Capital Campus community.

Ms. Lewis commented, "The purpose of this event is to bring together the creative talent at Penn State-Capital Campus."

The Gallery/Lounge is open from 8:00 a.m. to 9:00 p.m. weekdays, but closes at 5:00 p.m. on Fridays. The Student-Faculty Staff art exhibit is sponsored by the Student Activities Office.

Commenting on the trends which the survey reveals, Dr. Stewart notes a decline in upper level (major) enrollment, an increase in freshman enrollment, and stabilized or reduced numbers of faculty.

"Together, these add up to more teachers assigned to composition sections with larger enrollments per section," he writes in the May "ADE Bulletin." "As of spring 1974, total workload seems not to have changed much since 1967. . . . What has happened is that there is a gradual reallocation of faculty. We seem to be adjusting internally to meet changing enrollment configurations.

"In spring term 1974, relatively few departments had begun this reallocation; hence many teachers of English, especially in large institutions, had small literature classes; composition was taught by part-time faculty and graduate assistants."

The ADE guidelines suggest that college teachers spend no more than 12 hours weekly per semester in undergraduate instruction and nine hours in combined graduate and undergraduate teaching and that composition sections be limited to 25 students, remedial or advanced creative writing sections to 15 and literature classes to 35. It is also suggested that teachers not have to teach more than three sections of a single course nor prepare more than three different courses a semester.

In his survey, Dr. Stewart included four classes of schools: doctoral-granting institutions, comprehensive colleges and universities, liberal arts colleges and two-year schools.

In terms of guideline compliance, he found:

—Faculty in 173 departments were teaching more than 12 hours per week; 83 percent of this number were at two-year colleges.

—In only 62 of the departments reporting did faculty teach more than three sections of a single course; 141 departments asked their instructors to teach more than three different courses. Again, two-year colleges were most likely to be out of compliance.

—Measuring workload in terms of class size, two-year and comprehensive schools were most likely to be out of compliance.

"Departments out of compliance are concentrated in the two-year colleges, with the comprehensive colleges running a distant second," Dr. Stewart reports. "Since 27 percent of all regular faculty teach in two-year colleges and 31 percent in comprehensive colleges, we can conclude that, according to the guidelines, over a third of our colleagues teach too many students or too many courses or both."

However, Dr. Stewart notes, the disparity between two-year colleges and other schools is reduced when faculty time spent in research and supervising graduate students is calculated into workload.

Other study findings include:

—There are well over 50,000 college level English teachers, including part-time personnel, graduate assistants and interns.

—In doctoral-granting schools, only 13.3 percent of all teachers are part-time, but 48 percent are graduate assistants. Comprehensive and liberal arts colleges employ mostly full-time faculty. However, at two-year schools, 66.8 percent of the faculty have part-time or intern appointments.

—32.1 percent of the full-time faculty at all four classes of institutions is female; minorities constitute 8.8 percent. Two-year institutions employ the most women (45.3 percent), followed by liberal arts colleges, comprehensive colleges and doctoral institutions. Liberal arts colleges employ the largest number of minorities; doctoral-granting institutions the fewest.

—At doctoral-granting institutions, 38.2 percent of the full-time faculty will reach age 65 by 1994; at two-year institutions, the figure is only 29.8 percent. By 1994, the figure for all institutions — and thus the potential number of job opportunities created by retirement from the profession — will be approximately 12,000.

—In 1974, student evaluation of faculty and peer visiting had become more common.

Baker refutes student charges

Michael Baker, Jr., president of the Board of Trustees of the University, on Wednesday, May 14, related allegations made against Dr. John W. Oswald, University president, by a group of students who called for Dr. Oswald's resignation. At a press conference, Mr. Baker said the charges against Dr. Oswald, detailed to members of the Board of Trustees in a letter signed by some 30 students, were based on misinformation.

In refuting the charges, item by item, he pointed out that they were either false, based on misinformation or the result of misunderstanding or misinterpretation.

Stating that no university is better managed or more accountable to the public than Penn State, he said the University is, and will continue to be, with the leadership of Dr. Oswald, one of the most prestigious universities in the Nation.

"I can assure you," he added, "that there will be no response on the part of the Board of Trustees to consider in any manner or even dignify letters of the kind that have been presented by this particular group of students."

Dr. Oswald, who appeared at the press conference with Mr. Baker, described his reactions to the letter as "much surprise, some disappointment, but certainly no anger."

Council accepts classroom report

A final report of the Subcommittee on Student Recourse to Classroom Problems was approved by University Council on Thursday and the recommendations of the Committee will be forwarded to President Oswald.

The Committee, headed by Dr. Donald V. Josephson, since early in March has been studying the matter of classroom problems and what recourse a student has for the problems, which are aside from those of grades and grading.

Two new members of the Council, representing administrative units, attended the meeting for the first time on Thursday. They are Dr. James M. Beattie, dean of the College of Agriculture, and Dr. Robert J. Scannell, dean of the College of Health, Physical Education, and Recreation. They will succeed Dr. Charles L. Hostler, dean of the College of Earth and Mineral Sciences, and Walter H. Walters, dean of the College of Arts and Architecture.

Council members voted to suspend meetings during the summer months, unless a call for a meeting is made by a member of the Council with an agenda item to be discussed.

Dr. Russell E. Larson, chairman of the Council, presided at the Thursday meeting.

New Ken theatre

Auditions will be held at the New Kensington Campus May 31 and June 1 and 2 for the summer theatre series which will open at the campus June 24 and run until Aug. 16.

The schedule of productions is: June 24-July 5, "Play It Again Sam"; July 9-19, "Marigolds"; July 23-Aug. 2, "Twigs"; and Aug. 6-16, "Six Rms Riv Vu."

Arno Selco, instructor of theatre and film at Behrend Campus, will direct the New Kensington summer program.

Additional information about auditioning may be obtained from Mrs. Shirley Rowe, 412-339-1031, Ext. 45.

WPSX highlights

Friday, May 23 — An hour-long documentary on the nursing home scandals in New York at 10 p.m.

Monday, May 26 — "The Thin Edge" focuses on sexual identity, at 8 p.m. May also be seen Saturday, May 31, at 3 p.m.

Monday, May 26 — Stan Lushin, award-winning television and film director and 1967 Penn State graduate, discusses the development of his career, on "Talkback," at 10 p.m. Also Tuesday, May 27, at 3 p.m.

Tuesday, May 27 — A half-hour program on the University's Surrealism celebration last November, at 8 p.m.

Wednesday, May 28 — "Stalin," a two-and-a-half hour documentary biography of the Soviet leader, at 9 p.m.

News in brief

SWIMMING

Stall and faculty members and their families can begin to use the outdoor swimming pool, south of the Natatorium, Saturday, May 24. Admission is 50 cents per person, or a member may purchase a special rate swim ticket costing \$5 for 15 swims. An identification card must be presented on request, and all guests must be accompanied by a member, who is responsible for them. The guest fee is 50 cents daily, and all guests must be college age, except when the pool is open to members and their families. Starting May 26, the pool will be open from 10:30 a.m. to 8 p.m.; until then, the hours are noon to 6 p.m.

VOLUNTEERS FOR CHAMP

Free-U is seeking adults who will volunteer to serve as counselors or "big brothers" for the youngsters from Harlem and Manhattan who will attend the "CHAMP" camp August 17-25 near Petersburg. Especially needed are those who can teach water sports or arts and crafts. Any adults who can spend a day or longer at the camp should contact the Volunteer Service Center, 865-3431.

HUB CLOSEDOWN

The Hub Terrace Room will close for a short period between terms after dinner Friday, May 23. The Lion's Den will close at 5 p.m. the same day. The food service at the HUB will resume with lunch Sunday, June 6, in the Terrace Room. The Lion's Den will open the next day.

AUCTION FOR CHAMP

Centre County's contribution to giving hope to some youngsters who need it includes a project called "CHAMP" which involves bringing children from Harlem and Manhattan each summer for a week or two of camp. To raise funds each year, Free-U, the student organization, stages an auction of furniture supplied by any area people, including many students who are leaving the area permanently and have no further use for the furniture in their local apartments. But such furniture also comes from local residents, and Free-U is currently asking for contributions to the auction; their volunteers will even pick up the furniture. If you want to do it yourself, take the items to the Hoy Transfer Co., 1801 North Atherton St. and tell them they are for CHAMP. The auction will be held May 31. If you need someone to pick up the furniture, call Betsy, at 238-0783, or Linda, at 364-9217.

OPEN CLASSROOM WORKSHOP

In mid-August, Capitol Campus Continuing Education will conduct a six-day workshop on open classroom techniques and materials for elementary schools, intended for in-service teachers planning to initiate "open" education methods. Dr. David Ongiri, director of the workshop and assistant professor of education at the Campus, says that participants will focus on special areas of teaching such as reading and language skills, and expression in movement. The workshop will be held Aug. 18-23.

WTJW WANTS HELP

The commercial television station in Altoona, WTJW, invites the help of anyone in its viewing area — roughly from Johnston to Lewisport and from the southern to the northern border of the state — in a program of "Keystone Country Bicentennial Minutes." Anyone with a comment on local history, which need not be of Revolutionary times, who would like to appear in a 45-second segment of broadcast time, should send the comment to the program director of the station at 5000 Sixth Ave., Altoona, Pa., 16602. The taped features of the individual, perhaps with a drawing or pictures of the event itself, will be a highlight of the station's efforts to observe the nation's Bicentennial.

Fleet Operations says that faculty or staff members having trouble in making use of the credit cards for fuel and other supplies when using university vehicles should call 865-7571 or 865-7572 immediately to have the matter resolved.

PENN STATE intercom

Volume 4, Number 37

May 29, 1975

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

Senate Council commends president

The Senate Council of the University Faculty Senate, at its regular meeting Tuesday, May 20, unanimously passed the following resolution:

"At the end of the 1974-75 academic year, the Senate Council affirms its support of President Oswald and commends him for his dedication to the maintenance and advancement of excellence throughout the University.

"On the basis of many hours of common effort with President Oswald in Senate committees, in the Senate Council, and in the Senate itself, the Council also affirms its appreciation of his support in developing and implementing policies which we believe to be educationally, humanely and fiscally sound."

Behrend plans national conference

Leading college educators and administrators from across the country will gather next month when Behrend College of Penn State hosts the National Invitational Conference for Regional-Branch Campus Deans and Directors.

The assemblage is expected to be the largest educational conference ever held in Erie, and invitations have been issued to more than 250 institutions from every state, according to Irvin H. Kochel, director of Behrend.

"The branch campus system is a significant part of higher education today," Kochel notes, "and issues of the programs will be addressed to this formerly silent, now increasingly important aspect of college and university administration."

The program opens Tuesday, June 24, and concludes Thursday, June 26. Noted branch campus system administrators as well as prominent Erieites will take part in the daily sessions.

Theme of the first two days of the program, which has national significance, is "Community-Campus and Campus-Community Relations," and of the concluding day, "Internal Relations of Contemporary Significance."

The keynote address, "Quality and Quantity in Higher Education," will be given by Ralph K. Hult, executive director, National Association of the State Universities and Land-Grant Colleges, Washington, D.C.

A panel of noted Erieites will focus on "Community Expectations." Participants in the forum will be Donald M. Alstad, president, Lord Corp., Erie, and member of the Behrend Advisory Board; Robert F. Heltman, manager, professional relations and human resources training, General Electric Co., Erie; and Gregory G. Gibson, executive director, Arts Council of Erie.

Also speaking during the three-day conference are:

Dr. Robert G. Quinn, dean, Academic Instruction for Commonwealth Campuses, Penn State; Ted R. Robinson, assistant vice president for Regional Branch Campuses, Ohio State; John J. Duffy, association vice president for Regional Campuses, University of South Carolina.

Also, Dr. Stanley O. Ikenberry, senior vice president for University Development and Relations, Penn State; Harold A. Miller, dean of Continuing Education and Ex-

All faculty and staff members participating in the State Employees' Retirement System are hereby given a final reminder about the option of switching to TIAA-CREF before May 31, 1975. Contact your area personnel representative, business manager, personnel officer, or the Employee Benefits Division if you need additional information.

ension, University of Minnesota; Willard Davis, vice president for Regional Campuses, Continuing Education and Research, University of South Carolina; Albert J. Kuhn, provost, Ohio State University; Daniel K. VanEyck, assistant chancellor for Academic Affairs, University of Wisconsin System; and Dr. John W. Oswald, president, Penn State.

Kochel has been active in the group for three years and has served on the planning committee since the second conference. He and William E. Mosso, assistant director for Continuing Education at Behrend, are serving on this year's committee.

Traffic one way for commencement

A one-way traffic pattern near Beaver Stadium will be in effect for commencement exercises at University Park on Saturday, May 31.

Park Avenue will be one-way east from North Atherton Street to the stadium and Park Road will be one-way east from Bigler Road to the baseball field from 9 a.m. to 10:45 a.m.

During the same period, University Drive will be one-way north from the College Avenue overpass to the stadium. Curtin Road will be closed to all traffic from Shortlidge Road to University Drive from 9 a.m. to 10:45 a.m. and from University Drive to Porter Road from 9 a.m. to 1 p.m.

Following the commencement exercises, the one-way traffic pattern will be reversed and will be in effect until 1 p.m.

In case of constant rain, commencement ceremonies are to be moved to the University Auditorium, Recreation Bldg., and Schwab Auditorium and the one-way traffic pattern will not be in effect. If the program is moved indoors, traffic is expected to be heavy on all campus roadways.

PBK initiates

On Friday, May 30, the Phi Beta Kappa, Lambda, of Penn State will initiate its newest members into the organization. They will be inducted at 5 p.m. in 112 Kern. This event is open to the public.

The banquet, at which the speaker will be Dr. Ernest Pollard, professor emeritus of biophysics, whose topic will be "Science and the Creation of Literature," will be held at 6 p.m.

All Phi Beta Kappas who wish to attend should make reservations by calling Dr. Doris Seward, secretary, at 865-1855. The banquet will be held at the Nittany Lion Inn.

Senate meeting to start early

In order to complete a lengthy agenda, the University Faculty Senate will hold its regular June Meeting an hour earlier than usual — at 1 p.m. Tuesday, June 3, in Room 112 Kern Bldg.

Senators are asked to bring the May 6 meeting agenda to the session since a number of reports held over from the May meeting will not be reprinted in the June agenda.

Held-over reports that will be acted on include those from the Subcommittee on Physical Plant Planning, Louis Inerra, chairman; Subcommittee on Resident Education-Continuing Education, John Kavanaugh, chairman; and Academic Admissions Standards, Mary McCammon, chairman.

Action on a report from the Pass-Fall Committee has been deferred until September. Arthur O. Lewis, committee chairman, is seeking input on the report.

Action will be deferred until the July meeting on a report from the Student Academic Rules Committee. Thomas Daubert is committee chairman. Richard Craig, chairman of the Faculty Rights and Responsibilities Committee, will present an informational report.

In other business, the Senate will act on a report from its Subcommittees on Transfer Policies, Academic Standards, and Faculty Rights. Committee chairmen are Donald Epp, Barnes McCormick, and Dwight Younklin, respectively. Ruth Ann Wilson, chairman of the Subcommittees on Athletic Standards and Scholarships, will make an informational report.

New Senate offerings for 1975-76 will be instated at the meeting.

Portrait exhibit planned for '76

"Portraits USA/1776-1976," an exhibit of sixty paintings by some of the finest American portraitists of two centuries, will help to celebrate the Nation's Bicentennial at the Museum of Art.

One of five major projects selected for support by the University Bicentennial Committee, the exhibit is planned for April through early June, 1976, on two of the Museum's three floors. Paintings will be drawn from public and private collections across the country.

Planning for the exhibition was begun over two years ago by William Hill, director of the Museum of Art, and Dr. Harold E. Dickson, professor emeritus of art history, both at Penn State. Selections were made on artistic merit, with consideration for subject and historical interests, diversity, and special appeal.

Portraiture was chosen as the general category for the exhibition, according to Dr. Dickson, because of the range of artistic treatments observable in many artists' handling of a similar subject.

"There is no more effective way of indicating quickly the range of potentials of the representational arts than by showing faces," he said.

Many widely known artists are represented in the exhibit, ranging from Gilbert Stuart and John Copley, of the Revolutionary era, to contemporary artists such as Andy Warhol and Andrew Wyeth. Nine-

(Continued on page two)

Library space assignments

Members of the faculty who wish to obtain "Study Space Assignments" in Pattee Library for the Summer Term should note that the assignments will be made on a first-come, first served basis Monday, June 2, beginning at 8 a.m. in Room 108 Central Pattee. There are only 47 such spaces. Further questions should be directed to Cordelia Swinton, 865-5420.

Calendar

May 29—June 11, 1975

Special Events

Friday, May 30 — Phi Beta Kappa initiation, 5 p.m., Room 112 Kern. Dinner, 6 p.m., Nittany Lion Inn. Dr. Ernest Pollard, speaker, on "Science and Creation of Literature."

Tuesday, June 10 — Karate lecture and demonstration of Tae Kwon Do techniques, 7 p.m., HUB Ballroom.

Official

Saturday, May 31 — Commencement, 10:30 a.m., Beaver Stadium. In case of rain, indoor ceremonies at 10:30 a.m. and 2 p.m., Recreation Bldg. and University Auditorium, and at 10:30 a.m. in Schwab Auditorium.

Sunday, June 8 — Arrival date for new students, Residence Halls open at 8 a.m.

Monday, June 9 — Orientation and advising.

Tuesday, June 10 — Registration.

Wednesday, June 11 — Classes begin, 8 a.m.

Meeting

Tuesday, June 3 — University Faculty Senate, 1:00 p.m., Room 112 Kern.

Seminars

Friday, May 30 — Joint Physical and Analytical Chemistry, 4 p.m., Room 333 Whitmore. Edwin Sehnke, National Bureau of Standards, on "Application of Fluorescence to Spectrophotometry and Spectrofluorimetry."

Exhibits

Museum of Art — Twenty paintings on wood panels, dating from 14th century, Samuel H. Kress Memorial from the collection of the Allentown Art Museum. Chambers Gallery — Lawrence von Baran, paintings, drawings, and prints, opening June 9.

Kern Gallery — Jeannette Foner, oils and prints, until May 31.

HUB Gallery — Renaissance Gallery Crafts Display, opening June 9.

News in Brief

MINERAL MUSEUM

A summer schedule of hours for the Mineral Museum of the College of Earth and Mineral Sciences (in the Mineral Industries Bldg.) has been announced. The schedule for special exhibits in the separate rooms of the Museum Gallery will be 1-5 p.m. Tuesday through Sunday. Gallery talks and demonstrations are available for groups by appointment, however, and additional information on these services may be obtained by calling David Snell, curator, at 865-6427. Exhibits in the corridors, of course, may be viewed during normal working hours as well as the Museum's weekend hours.

MILITARY CHANGE

Effective June 1, Colonel Clifford Kirkwood, professor of military science, assumes the position of Joint Service Co-

(Continued on page two)

Honors

Lumley, Burnham elected fellows

Dr. C. Wayne Burnham, head of the department of geosciences and professor of geochemistry, has been elected Fellow of the American Geophysical Union, one of 14 to be honored by the Union at its mid-June national meeting in Washington, D.C. Dr. Burnham is also a Fellow of the Geological Society of America and the Mineralogical Society of America. He has been a member of the Penn State faculty since 1955 and was named professor in 1965. He was appointed department head last year. He is a past treasurer, past vice president, and president of the Geochemical Society.

Dr. John L. Lumley, Evan Pugh professor of aerospace engineering, has been elected Fellow of the American Academy of Arts and Sciences, which was founded in 1780 by John Adams and which currently has about 2,500 Fellows and more than 400 honorary foreign members. Dr. Lumley is also a Fellow of the American Physical Society and last year was a Fulbright Senior Lecturer in Belgium and a Guggenheim Fellow in France. Recognized internationally for his work in the field of turbulence he was the technical editor for two volumes of an encyclopedic work translated from the Russian and published

by the Massachusetts Institute of Technology Press under the title "Statistical Fluid Mechanics."

Four members of the College of Agriculture faculty were honored for exceptional service by Gamma Sigma Delta, honor society of agriculture, at its recent annual banquet: Dr. Louis T. Kardos, professor of soil physics; Dr. William E. Sopper, professor of forest hydrology; Dr. John H. Ziegler, associate professor of meat science; and Dr. John E. Baylor, professor of agronomy extension. Drs. Kardos and Sopper were honored for their research, Dr. Ziegler for teaching, and Dr. Baylor for Extension programs.

Initiated into the Society at the same banquet were Glenn R. Keen, professor of animal science; Ben Morgan, associate professor of animal science extension; Dr. Louis T. Kardos, associate professor of veterinary science; and Glenn W. Goss, associate professor of agricultural extension.

Dr. Harold J. O'Brien, associate dean for Commonwealth Campuses in the College of the Liberal Arts and former debate coach, has been chosen to receive the 1975 Lion's Paw Award, to be presented to him formally during Alumni Class Reunion Weekend activities June 5-7. The honor is given to persons who have contributed notably to the University and fostered its traditions. The award was established in 1965, and previous winners were John Henry Frizzell, Bob Higgins, Robert W. Ostermayer, Sr., Burke M. "Dutch" Hermann, Joe Paterno, Dr. Hummel Fishburn, Ridge Riley, Robert Galbraith, Wilmer E. Kenworthy, and Harold E. Dickson.

Walter A. Sowa, associate professor of engineering at Wilkes-Barre Campus, has received the Western Electric Fund Award consisting of a certificate and a check for \$1,000, "for excellence in the instruction of engineering students." The Awards Committee of the Middle Atlantic Section, American Society for Engineering Education, selected Sowa for the honor. As recipient of the award, he will serve on the Western Electric Fund Awards Committee of the Section for two years. Two years ago, Sowa received the Penn State Engineering Society Award for Commonwealth Campus Faculty as outstanding teacher. He has been a member of the Wilkes-Barre faculty since 1956 and is a Penn State graduate with a degree in electrical engineering. He received a master's degree from Wilkes College.

NEWS

(Continued from page one)
ordinator at the University, serve as the focal point for matters concerning the three Military Departments. He replaces Col. A. J. Grill, professor of aerospace studies, who will become the University Faculty Senator for the combined military departments, a position that was held by Capt. Charles Bolan, USN, who is retiring July 1.

Capt. Bolan's position as professor of naval science will be assumed by Capt. Howard A. Shartel, who will arrive at the University in mid-July after completing his present tour of duty as Director of Student Research at the Industrial College of the Armed Forces.

DELAWARE TENNIS

Delaware County Campus will stage a two-day workshop for beginning, intermediate and advanced tennis players June 1-8, taught by Penn State physical education instructors. Videotape will be used for instant replay look at a player's faults. There is a registration fee of \$18.

ALUMNI CHIEF

J. Lloyd Huck, a 1943 graduate of the University and president of Merck Sharpe and Dohme Division of Merck and Co., Doylestown, was installed as president of the 33,000-member Penn State Alumni Association at the May meeting of the Alumni Council. He will serve a two-year term. The president-elect is William J. Breese, vice president of Industrial relations for Scott Paper Co.



LaGrone work at Worthington Scranton

Dedication of a bronze sculpture by Oliver LaGrone (at right of center in photo) was held at the Worthington Scranton Campus May 18. Title "The University as a Family," the sculpture was commissioned by the Campus with support from the Office of Gifts and Endowments, the Pennsylvania Council on the Arts, the Campus Advisory Board, and the LaGrone Sculpture Committee, which is represented in the picture above by Christiana Oronskij, left, left, and Marlene Pilcick, left, right. Others in the photo are LaGrone, Trust, student representative, second from left; Donald Scheuer, Advisory Board member; Dr. Edward K. Traybill, Campus director; (at LaGrone's left) Peter Caron, executive director of the Pe. Council on the Arts; and Joseph Douglas, associate dean of academic instruction for Commonwealth Campuses.

LaGrone, who was special assistant to the Vice President for Undergraduate Studies of the University and artist-in-residence to the Campus, presented a smaller sculpture, "The Gancer," to the Campus as a gift prior to the dedication ceremony. Also of bronze, it will be displayed in the library.

Funding Opportunities

For procedural and funding source information, call 865-1372.

MAY 29, 1975

(181-1) Young Investigator Pulmonary Research Grant Applications are being sought by the National Heart and Lung Institute (NHLI) to foster these research interests among young scientists and physicians by providing modest, independent support for a project of their own design. Anyone now a principal investigator on an NIH project is not eligible. Applicants must be below age 35 and hold a doctorate in a relevant field. Applications must be received by Nov. 1, 1975. Award beginning dates will be between May 1, 1976. For applications and information contact: Manager, Manpower Program, Div. of Lung Diseases, NHLI, NIH, The Westwood Building—Room 5A15, 5323 Westbard Ave., Washington, D.C. 20516 (201-495-7171) (Ref. NIH Guide Supplement, 5/15/75).

(181-2) Guidelines are available for two of the three NSF Student Oriented Programs for 1975-76. Undergraduate Research Participation has a Sept. 10, 1975 closing date and is to bring undergraduate students into the membership of a research team leading to their increasing independence, to foster an open approach to educating young scholars, and to provide a modest amount of financial assistance to sustain faculty-student research. The Student Training Program has an Oct. 10, 1975 closing date and is to provide talented students with science (including social and engineering) learning opportunities beyond those normally available. Special advanced courses, research participation and combinations of the two are supported. Student Oriented Studies guidelines will be available in about a month. (Ref. NSF 87-041 and 87-043).

(181-3) Higher education is expected to play a growing role in the resettlement of Vietnamese refugees. The ASCU is planning to survey its member institutions for English teaching program location possibilities, adaptability of campus living space for refugees, and college interest in community service programs. Scholarship support of the \$2505/year for refugee college students is being proposed by Rep. Paul Simon (Ill.) (Ref. Chronicle 5/19/75).

(181-4) It has been estimated that as much as \$40 million in basic research funds may be available to universities in FY1976 because of a shifting of Inhouse Air Force funds to outside university support. Further, the primary emphasis of Air Force Research should preserve and enhance

the university capability to provide insight into the basic sciences and to train students in these scientific disciplines critical to the Air Force, according to a memorandum from the Secretary of the Air Force. This information has been distributed. (Ref. AF memo - CLH).

(181-5) Because of the unexpected demand to attend RANN Regional Seminars May 15-16, INTERCOM 2179-1, a twelfth seminar, has been added to take place in Washington, D.C. on June 26, 1975. The one-day seminars describe and discuss objectives of the RANN program, 1975-1980, and procedures for participation in RANN programs. Current RANN (Research Applied to National Needs) interest areas are: energy, environment, productivity, resources, explosives, search, technology assessment, and utilization. There is no registration fee. For the Washington seminar contact: Jack Mansfield, Continuing Engineering Studies, Room 536, New Library Building, George Washington University, Washington, D.C. 20056 (Ref. RWE - R. T. Tibbitts, NSF).

(181-6) The Public Health Service (PHS) has proposed rules for Project Grants for Health Services Development. In addition to general provisions, the proposed rules cover grants for community health services projects and grants for family health center projects. This information has been distributed. (Ref. 40FR21627-35, 5/16/75).

(181-7) June 10, 1975 is the deadline for

OE Bilingual Education Fellowships (March 27

INTERCOM 2172-8). (Ref. 40FR21508-09, 5/16/75) (CFDA 13-1403)

(181-8) Rules and regulations for environmental education practice have been released by the Office of Education (OE). Funding objectives and areas of special interest include: general policies for development of effective environmental education practices, resource material development, personnel development, community development, elementary and secondary education, and minority studies. This information has been distributed. (Ref. 40FR21907, 5/20/75) (CFDA 13-322) (181-9).

(181-9) Amendments to the rules and regulations for OE ethnic heritage studies program have been released. This program is to provide assistance designed to afford students opportunities to learn about the nature of their own cultural heritage and study the contributions of other ethnic groups of the nation. Training and development of curriculum materials under the program had a March 21, 1975 deadline date (Jan. 16 INTERCOM 2162-1). This information has been distributed. (Ref. 40FR21954, 5/20/75) (CFDA 13-3404)

(181-10) The funding priorities proposed for the OE Foreign Language and Area Studies Research Program April 13 INTERCOM 2173-3 have been released. This information has been distributed. (Ref. 40FR22018, 5/20/75) (CFDA 13-1406)

Radioactive material procurement policy

University personnel contemplating procurement of radioactive material at University Park or the Commonwealth Campuses are reminded that the possession, use, and transfer of such material must have the prior approval of the University Isotopes Committee.

Purchase orders for radioactive material must have a copy of form HP-10 attached. This information on this form (a yellow 3 x 5 card) includes the name of the person ordering the material and the serial number of the University Isotopes Committee authorization to obtain the material. Prior arrangements should be made with the Health Physics Office for the transfer of radioactive material from one experimenter to another or for the procurement of radioactive material without using a purchase order.

All shipments of radioactive material are to be received at or shipped from the Health Physics Office. Incoming shipments are inspected, assigned an inventory number, and delivered to the purchaser. Outgoing shipments must be packaged according to U.S. Department of Transportation regulations and can only be shipped by air. Personnel with the proper license to receive the material. There are additional regulations for the procurement, use, and transfer of special nuclear material because of the accountability and security requirements.

Persons desiring additional information about the procurement and use of radioactive material at the University Park Campus or Commonwealth Campuses should contact the Health Physics Office, 220A University Building, University Park, phone 865-3458. Similar procedures are also available at the Hershey Medical Center and additional information may be obtained by contacting the Health Physics Office there. In room H-16B, phone 534-8027.

Staff vacancies

University faculty or staff members who are interested in any of the staff exempt or staff non-exempt jobs listed below may apply by calling Employment Division, 865-1387 (Network Line 475-1387). Do not contact the areas having the vacancy. Applications will be accepted until filled.

THURSDAY, JUNE 5, 1975

UNDERGRADUATE STUDIES CONSULTANT,
COLLEGE OF HUMAN DEVELOPMENT —
University Park

Responsible for the planning and management of the Undergraduate Studies Academic Information Center within the College of Human Development. Provide professional advising assistance to the Division of Undergraduate Studies during registration and pre-registration counseling program periods. Master's degree or equivalent plus one to two years experience directly related to the programs and opportunities of the College of Human Development is desired.

NUTRITION ASSISTANT, YOUTH, COLLEGE OF

AGRICULTURE — Lockswane County

Coordinate programs in foods, nutrition, and related subjects for youth in low income areas. Identify, recruit, and train volunteers to work with youth. Plan, organize, and direct special nutrition education projects with volunteers and staff in other agencies. Maintain close working relationships with all Extension workers in ENEP. This may include the training and management of the related aides. An undergraduate or equivalent plus two years directly related experience required in working with food and nutrition programs or other related fields.

ASSISTANT HEAD, LIBRARY SYSTEMS DEVELOPMENT DEPARTMENT, UNIVERSITY LIBRARIES —
University Park

Responsible for management and implementation of computer-based library systems, including both systems and operational programming. Requirements are a Bachelor's degree or equivalent plus four to seven years of experience in the field. Experience is required in a time-share computer environment, as well as in the management of computer systems. A part of this experience must be gained in an academic or research library application.

HEALTH CENTER BUSINESS MANAGER —
Hershey Medical Center (Middleburg)

Responsible for the business management and administration for the fiscal, administrative and personnel policies and functions of the Evelyn G. Frederick Health Center. Responsible for the Medical Center for the day-to-day operations. Bachelor's degree or equivalent in Accounting plus two to four years of effective experience.

The University is an Equal Opportunity Employer.

PORTRAIT

(Continued from page one)

teenth and early 20th century paintings will include portraits by James Macneil Whistler, Thomas Sully, Mary Cassatt, and George Bellows.

Subjects of the portraits in the exhibition vary from celebrated figures such as George Washington, painted by both Adolph Wuttmiller and Alfred Maurer, to anonymous representations such as Cecilia Beaux's "New England Woman" and John C. Cooper's "Evelyn Watkins" "Lady with a Setter Dog."

Dr. Dickson is completing a catalog in which all sixty works will be reproduced in full-page color plates, accompanied by his notes on the subject, artist, and material nature and aesthetic significance of each portrait. He has also written an introduction to the exhibition for the catalog.

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

Board acts on PIRG funding

Trustees of the University at their Friday, May 31, meeting authorized officers of the University to proceed with negotiating and executing a contract under policies set by the Board with students organizing a Pennsylvania Public Interest Research Group, designated as PennPIRG.

President Oswald then designated Dr. Raymond O. Murphy, vice-president for student affairs; Steve A. Garban, controller and staff assistant to the senior vice-president for finance and operations; and Delbert J. McQuaide, University counsel, to meet with the student organizers and develop a contract.

The action, recommended by President Oswald and the committees on Educational Policy and Finance of the Board, set the following policies, among others, to govern any contract:

—The University will place on the term bill of each student a clearly identified statement that permits the student to indicate voluntarily his or her desire to add \$2.00 to the term bill for transfer to PennPIRG. This is known as a "positive check-off."

—The University will be reimbursed for the

(Continued on page four)

Promotions of 230 faculty are announced

Promotions for 230 faculty members at The Pennsylvania State University, effective on July 1, were announced today by President Oswald.

TO PROFESSOR

Dr. Frank Anthony, agricultural education
Dr. Thomas W. Benson, speech communication

Dr. Cheston M. Berlin, Jr., pediatrics (Hershey)

Dr. Robert A. Bernoff, science and general chemistry (Gontz)

Dr. Stewart W. Bither, marketing

Dr. Richard C. Bradt, ceramic science

Dr. Robert W. Brennan, medicine (Hershey)

Dr. Philip D. Cady, civil engineering

Joseph R. Cardenuto, rural sociology extension

Dr. John D. Connor, pharmacology (Hershey)

Dr. Robert L. Cunningham, soil genesis and morphology

Dr. Anthony J. Curley, finance

Dr. Frank Dachtler, geochemistry

Dr. D. Daniels, business administration

Dr. Thomas E. Daubert, chemical engineering

Donald R. Daum, agricultural engineering extension

Dr. Paul S. Dimick, food science

David R. DonTigny, art

Dr. J. Larry Duda, chemical engineering

Dr. Gerard M. Faeth, mechanical engineering

Dr. Thomas G. Fox, economics (Behrend)

Dr. Hays B. Gamble, agricultural economics

Dr. John L. George, wildlife management

Dr. David P. Gold, geology

Dr. Miriam G. Groner, biology (Gontz)

Dr. Milton C. Hallberg, agricultural economics

Dr. Jack C. Hayya, management science

Dr. James B. Herenden, economics

Dr. James S. Holl, agricultural economics

Dr. Leonard S. Jefferson, physiology (Hershey)

Dr. John F. Kavanagh, veterinary science

Dr. W. Laffar Kopp, German

Dr. Robert La Porte, Jr., public administration

Dr. Felix L. Lukevic, plant pathology

Dr. Herbert M. Lundgren, physical education

Dr. Frank J. McArdle, food science

Charles W. Mann, English

Dr. William Merrill, Jr., plant pathology

Dr. Tony Mobley, recreation and parks

Ben Morgan, animal science extension

Dr. Kenneth P. Mortimer, education

Dr. Vedula N. Murty, mathematics and statistics (Capitol)

Dr. John R. Nesselrode, human development

Dr. Robert R. Reed, Jr., English

Dr. Thomas J. Rohner, Jr., surgery (Hershey)

Dr. Arthur W. Rose, geochemistry

Dr. Hansjakob Rothenbacher, veterinary science

Dr. Della M. Roy, materials science

Dr. Rosemary Schreier, biochemistry

Dr. Mangalore G. Sharma, engineering mechanics

Dr. Robert D. Shipman, forest ecology

Walter A. Sowa, engineering (Wilkes-Barre)

Stephen B. Spencer, dairy science extension

Dr. Aletha H. Stein, human development

Dr. James I. Taylor, civil engineering

Dr. Jiri Tichy, architectural engineering

Dr. John E. Tilden, mineral economics

Robert F. Trehy, music

Dr. Tien-tou Tsong, physics

E. A. Vasytan, humanities (Hershey)

Dr. Donald V. Waddington, soil science

Dr. Paul W. Welliver, education

Dr. John W. White, floriculture

Dr. David T. Wilson, marketing

TO LIBRARIAN

Dr. Ronald L. Fillipelli (Labor History Archives)

TO ASSOCIATE PROFESSOR

Dr. Roy W. Allison, Sr., Education (Capitol)

Dr. Nathan N. Aronson, Jr., biochemistry

William K. Augst, engineering (Capitol)

Dr. Robert B. Beelman, food science

David C. Beppler, agricultural engineering

Dr. James V. Biggers, ceramic science

Dr. Edward Blitner, chemistry (McKeesport)

Dr. Edward O. Bixler, psychiatry (Hershey)

John E. Broekel, agricultural economics extension

Dr. Terence A. Brown, business logistics (Capitol)

Dr. Barton W. Browning, German

Dr. Bruce Bullington, criminal justice

Dr. Charles R. Bursley, biology (Shenango)

Dr. E. Alan Cameron, entomology

Dr. Michael J. Cardamone, physics (Schuylkill)

Dr. Kenneth J. Carey, finance

Dr. D. Vid Carler, education

Dr. Peter Cavanagh, biomechanics

Dr. Paromita Chowla, mathematics

Roe S. Cochran, forestry marketing and utilization extension

Dr. Priscilla N. Cohn, philosophy (Gontz)

Dr. Donald M. Corder, rural sociology

William E. Crooken, theatre arts

Dr. Joseph E. Dandois, general engineering (Hazleton)

Dr. John J. Dufek, management science

Dr. David Dinkel, criminal justice

Dr. Larry R. Eckroal, biology (Behrend)

Dr. John R. Ezze, finance

Dr. Patricia Farrell, recreation and parks

Dr. Richard L. Garner, history

Dr. Sheldon R. Gelman, social welfare

Dr. Peter D. Georgopoulos, physics (Delaware)

Dr. Harvey R. Gilbert, speech communication and speech science

Dr. Frank M. Goode, agricultural economics

Dr. Stanley L. Gordon, surgery (Hershey)

Dr. Lester C. Grisel, Jr., veterinary science

Dr. Daryl K. Hasley, rural sociology extension

Dr. John J. Henry, mechanical engineering

Dr. Richard Hogg, mineral processing

Dr. Theodore M. Hollis, biology

John T. Hyckio, general engineering (Wilkes-Barre)

Dr. Natalie Isser, history (Gontz)

Dr. Edward R. Johnson, associate librarian

Harold H. Johnson, general engineering (Mont Alto)

Dr. Joyce D. D. Isler, psychiatry (Hershey)

Dr. Owen D. Keane, poultry science extension

Dr. Michael King, political science

Dr. Daniel P. Knievel, crop physiology

Dr. Roland L. Larson, mathematics (Behrend)

(Continued on page four)

President reports to Board on Penn PIRG

The following is a report by President Oswald to the Committee on Educational Policy of the Board of Trustees of the University, given May 29, 1975, regarding the proposed student organization, PennPIRG, which received considerable attention during Spring Term. It is a student-oriented "Public Interest Research Group" and the "Penn" in the title refers to Pennsylvania.

From the outset, I have indicated my belief that there is educational merit to the participation of Penn State students in an activity such as PIRG, and therefore, the University should consider, if a substantial number of students indicate their interest, some form of relationship to assist PIRG. Indeed, in the first discussions before the Committee on Educational Policy of the Trustees, I made the motion which was passed declaring that the Committee found educational merit in PIRG and directed the administration to work with the student organizers of PIRG toward some appropriate form of relationship.

Basically the Trustees have five policy options before them as they consider the possible relationship between The Pennsylvania State University and PennPIRG.

1. No relationship between the University and PennPIRG.

2. The University develop opportunities for a voluntary internal collection process; for example, collection tables at registration, in the Student Union, and possible collection at the Spring Term.

3. The University would agree to place on the term bill of each student a clearly identified statement that permits the student to indicate his/her desire to add \$2 to the term bill for transfer to PennPIRG. This is commonly referred to as positive check-off.

4. The University would assess each student on each term bill \$2 in addition to all other fees — with the opportunity made clear on the bill that the students could refuse to pay the \$2 to PIRG and the further indication that if they refuse the \$2 to PIRG they could get a refund within a specified period. This is commonly referred to as the negative check-off.

5. The University assess each student \$2 per term in addition to other fees with the opportunity for the student to receive a refund but not to refuse to pay the \$2 at the time of paying his/her bill. This is referred to as the mandatory refundable program.

Of the five policy options listed above, my position is to recommend for consideration Option 3.

Just as I spoke favorably of the purposes of PIRG in involving students constructively with public issues, I spoke against any relationship that would cause students who were not interested in PIRG to be assessed a fee. Indeed, I indicated, and still feel, that the Trustees should not use their power to establish tuition and fees, to set and collect fees for programs for which the Board has no responsibility nor accountability. Therefore, I told the students early that I opposed a mandated fee (Option 5), which our counsel questions as to legality, and I opposed any other means of collecting fees (Option 4) that were not voluntary. My proposal, which was sent to the students and later to the Trustees in the document describing a relationship and funding mechanism which would recognize the value of PIRG but would not increase Penn State fees to fund PIRG (Option 3). Rather it would enable students interested in PIRG to indicate their support by adding \$2 a term to their tuition to go to PIRG, and the University would collect it (positive check-off). This is a voluntary method but would provide a means of collection that no other student organization has ever been privileged to have at Penn State. I am prepared to recommend this option for PIRG because of the number of students who have shown interest via petitions.

Those students organizing and promoting PIRG have indicated their belief that this funding mechanism will not assure either sufficient funds or the stability of funds for PIRG to operate. Thus, the student organizers request the Board of Trustees to increase the charges to students by \$2 a term and place this charge on every bill. The organizers then suggested that the University provide in its bill a refund system and an opportunity for a student to

refuse to pay the \$2 for PIRG (negative check-off). These funding mechanisms, they say, would develop more funds than the positive check-off method which I am prepared to propose. It is for this precise reason that I oppose assessing every student for a purpose that is not a University program. The additional student fees, beyond those achieved by the positive and voluntary check-off, it seems to me, will probably be from students who didn't understand their right to refuse to pay or to obtain a refund; or those students who are apathetic and don't care; or those who didn't read the bill and its instructions. Ralph Nader at a speech on PIRG at Penn State said, "Murphy and the administration are trying to substitute a positive check-off where students would pay only if they wanted to in the first place." His statement of my position is correct — I have questions about an organization apparently dedicated on the one hand to improving the lot of the consumer, but on the other hand seemingly pushing for a funding system which will collect from students (consumers) who may be misinformed or uninformed, apathetic, etc. If PIRG has the educational merit I believe it has, then the organizing students should be able to educate other students as to its values to the point that they will voluntarily assess themselves the \$2 fee. If enough funds cannot be achieved in this voluntary way even though assisted by the University placing it as an option on the term bill, then I question any formal relationship to PIRG.

Any effort by the student organizers to place me in the position of blocking PIRG by opposing the negative check-off is, of course, simply not the case. I wish to assist those students who wish to participate in PIRG — without establishing a funding means which will collect from students who are not advocates of PIRG.

I have taken this opportunity to express my view because of the original charge to the President to pursue with the organizing students the matter of a possible relationship. The administration is, of course, prepared to implement whatever decision the Trustees make on this matter.

Grove, Shellenberger receive Lindback awards



Shellenberger

Grove

M. Ellis Grove, associate professor of general education in the arts, and Dr. Paul R. Shellenberger, associate professor of dairy science, were given the Christian R. and Mary F. Lindback Awards for Distinguished Teaching at commencement ceremonies last Saturday. Both received plaques and a check for \$1,000.

A graduate of Ursinus College, Grove earned his master of arts degree in theatre arts from Penn State and served as a temporary instructor in theatre arts from

1960 to 1962 and again in 1964. He then joined the faculty of the University's Behrend Campus as an instructor in English.

As a theatre arts instructor, he directed several plays at the University, including "Summer and Smokey," "Paint Your Wagon" and "Once Upon a Mattress." He also directed "Little Mary Sunshine" for the State College Community Theatre.

He returned to University Park in 1970 to assist in the teaching of Arts 1 and to develop a course in the popular arts. Against a broad background that included professional acting, theatre management, limmaking and playwrighting, as well as teaching and directing, Grove has built up a large body of information relating to the popular arts.

In his course, Theatre 100, he touches on film, radio, television, folk music, dance and comic books, and the course is always filled well in advance of registration.

Dr. Shellenberger first came to Penn State in 1953 to earn bachelor of science and master of science degrees in dairy science production. He received a doctor

of philosophy degree from Iowa State University in animal nutrition. After working as a dairy specialist for the Texas Agricultural Extension Service and teaching agriculture at Tarleton State University, Stephenville, Texas, he returned to Penn State in 1967.

Dr. Shellenberger's principle teaching assignment is Animal Science 1, an introductory course in animal agriculture in which basic concepts of the biological sciences are applied to the field of animal production.

Dr. Shellenberger also advises one or two master of science degree candidates and occasionally teaches an advanced level special topics course. His research interests are in dairy call management and feeding practices, and he is currently studying the preparation and feeding of sour colostrum to young dairy calves.

He is a member of the University Faculty Senate and of the Division of Animal Science and Industry Course of Study Committee and serves as an advisor to Alpha Zeta fraternity.

Trumbo, Landy are Hallowell fellows

Two members of the Department of Psychology, Dr. Don A. Trumbo, professor, and Dr. Frank J. Landy, associate professor, have been designated H. Thomas Hallowell Jr., Faculty Fellows at the University.

Their appointments, as recommended by Dr. John W. Oswald, president of the University, help to implement a policy approved last year by the University's Board of Trustees to assist outstanding faculty members in making further contributions in the areas of teaching, research or public service, by establishment of endowed chairs, professorships and faculty fellows.

A grant from H. Thomas Hallowell, Jr., of Jenkinson, chairman of the board of Standard Press Steel Co. and a trustee of the University since 1950, will enable the Department of Psychology to expand its services to the business community in the Commonwealth.

Dr. Trumbo and Dr. Landy will attempt to develop a program, which they hope will eventually become self-sustaining, to assist industry with such human behavior problems as improving selection and promotion policies for personnel, devising improved training programs, and increasing job satisfaction.

At the same time, funds will be made available through Mr. Hallowell to permit augmented training of psychology graduate students in industrial statistics so they may confront practical problem-solving activities as an integral part of their education.

Dr. Trumbo, a member of the faculty since 1967, obtained his undergraduate degree in psychology from Western Michigan University and his master of arts and doctor of philosophy degrees from Michigan State University. He served on the faculty of Kansas State University for 10 years before coming to Penn State.

Dr. Landy has specialized in industrial psychology and measurement in such areas as job satisfaction, work motivation and multivariate statistics. He earned three degrees in psychology, a bachelor of arts from Villanova University and a master of arts and doctor of philosophy degree from Bowling Green State University. His appointment at Penn State began in 1969.

Coe provost to head Altoona

Dr. Carson W. Veach, provost and dean of Coe College, Cedar Rapids, Iowa, has been named director of the Altoona Campus.

His appointment was approved by the Board of Trustees last Friday on the recommendation of President Oswald. The appointment is effective July 1, 1975.

Dr. Veach, who was nominated for the position by a search committee comprised of faculty members and University administrators, succeeds Dr. John L. Leathers, who was promoted last July to the post of administrative director of the University's Commonwealth Campus System. Jack G. Zubrod, assistant director for resident instruction at the Altoona Campus, has been serving as interim director.

A native of Poughkeepsie, N.Y., Dr. Veach was appointed dean of Coe College in 1970 and was named to his present position in 1974. He holds the academic rank of professor of English.

During his tenure at Coe, the College has undergone innovative programming, including the free choice curriculum, independent study, work service, internships and interdisciplinary concentrations.

A cum laude graduate of St. Anselm's College, Manchester, N.H., he received his master of arts degree at Harvard University, where he was a Woodrow Wilson Fellow. His doctor of philosophy degree in 19th century American literature was awarded by Indiana University at Bloomington, Ind.



Dr. C. W. Veach

Dr. Veach served as a teaching assistant and teaching associate at St. Anselm's College and Indiana University and for three years was assistant professor of English and director of forensics at Colgate University.

In 1967, he was appointed academic dean and professor of English at Notre Dame College of Staten Island. He was responsible for preparing the College for evaluation by the Middle States Association and developed consortium projects with three other Staten Island colleges for disadvantaged college students and their parents.

While at Notre Dame College, he served as a consultant to the New York State Education Department and served on a state-wide committee for educational facilities inventory.

Equipment grant made by NSF

The University has received two National Science Foundation grants amounting to \$13,000 for instructional scientific equipment.

The equipment program is designed to help colleges and universities improve the quality of undergraduate science instruction by updating courses and teaching laboratories.

An NSF grant of \$6,200 to the Department of Geosciences is being used for equipment for the University's marine science program at Wallops, Va., according to Dr. Albert L. Guber, associate professor of geology.

The bioengineering program received the second grant of \$6,800. Dr. David W. Arnett, assistant professor of bioengineering, said that the funds will be used for the purchase of biomedical instrumentation such as transducers and display devices and for electronic apparatus for building biomedical devices.

U. Council to continue advisory role

University Council, established two years ago by the Board of Trustees as a part of the governance plan for the University, will continue to function primarily in an advisory role to the President.

The Board last Friday clarified the role of the Council in approving a recommendation of the President of the University which followed several reviews not only of the role of the Council, but also its name and membership.

The Joint Senate Administrative Committee on Faculty Participation in University Governance had expressed concern that University Council might become involved in activities that overlap those of the University Faculty Senate and had recommended a reconstitution of the name, membership, and function of the Council.

A student review, however, conducted through a subcommittee of the University

(Continued on page four)

Acoustics lecture by ASA president

Robert S. Gales, head of the Acoustics, Behavior and Communication Division at the Naval Undersea Center, San Diego, California, will present the fourth in a series of Fitzhugh W. Boggs Memorial Lectures in Acoustics today (Thursday, June 5).

"Engineering Applications and Psychoacoustics" will be the topic of Dr. Gales' presentation which will be held in Room 112 Kern Building at 2:00 p.m. An informal meeting and discussion with Dr. Gales will follow the presentation.

Dr. Gales is currently the president of the Acoustical Society of America and is a member of the National Research Council, Armed Forces Committee on Hearing and Biosciences. Presently, in the Acoustics, Behavior and Communication Division at the Naval Undersea Center, he is responsible for a broad program of research and development on noise and methods for its measurement and control, and studies of the behavior of humans and animals under acoustic stimulation.

The Fitzhugh W. Boggs Memorial Lectures in Acoustics were established by Dr. Boggs' wife, Elizabeth, friends and scientific colleagues upon his death in January, 1971.

Trustees approve distribution of \$87,120

Variety of projects receive aid of undesignated alumni funds

An allocation of \$87,120 in undesignated funds donated by alumni and friends of the University, has been approved by the Board of Trustees for a number of educational and campus developmental projects.

The projects were chosen from a number proposed and reviewed by a proposal evaluation committee, with the Provost of the University as committee chairman. The Board acted on the recommendation of President Oswald.

The funds have been allocated as follows:

- \$13,220 for enrichment of cultural offerings. \$4,500 will be used for a series of three public lectures on the American Revolution at the York Campus during the spring of 1976, and \$3,720 for retention of a scholar of Pre-Columbian Peruvian Ceramics to assist the Museum of Art staff in developing education materials on these ancient objects of art.

- \$25,000 for financial assistance to students. The funds will enable the Freshman Scholarship Committee to award Alumni Memorial Scholarships and/or loans to superior and needy entering freshmen.

- \$2,000 for improvement of the Hazleton Campus environment. Halt will be used for the construction of nature trails and the

purchase of plant materials, and half for landscaping and equipping a scenic overlook site.

- \$18,000 for new dimensions in instruction. \$2,500 will be used for a marine science field trip for 40 community high school seniors and instructors, sponsored by the Shenango Valley Campus; and \$3,000 to establish a photographic archive of paintings (Italian Renaissance and Baroque) for the Department of Art History and the University at large.

- The remaining \$12,500 in this category will be used for an interdisciplinary graduate program in the humanities; funds were requested in 1973 to match a grant of an additional \$50,000 from the National Endowment for the Humanities, and this is the third allocation of one-fourth of the total in each of four years.

- \$3,000 for stimulation of faculty research and scholarship. The amount will be used to identify and locate the publications issued by the University at University Park and to compile a directory of units issuing publications.

- The remainder of the funds will be used for other special projects:

- \$10,000 for a burn-tank at the Hershey Medical Center to provide for present and future needs in treating burn victims.

- \$3,500 for support of the certification program in sports medicine; Penn State has been selected as a site for the first certification program for physicians, exercise physiologists and physical educators involved in cardiac intervention and exercise rehabilitation programs.

- \$300 for color photographs of Penn State in China, 1915-1922, now in the Penn State Room of the University Libraries.

- \$250 for an informational brochure on the historical background of campus buildings, streets, and other names in the Centre Region.

- \$1,100 for the job placement program; funds will be used to assist unemployed June graduates to identify potential employment sources.

- \$4,800 for the purchase of new instruments for the Penn State Blue Band.

- \$2,450 for Bicentennial exhibits, "Then, Now and Tomorrow in Agriculture," to be displayed in College of Agriculture buildings.

- \$3,500 for transportation for the Volunteer Service Center. A van to transport volunteers (primarily students) would be purchased by VSC and routine maintenance and insurance would be covered by the University.

Summer Term 1975 Calendar

University Park Campus

The Pennsylvania State University

WEEK OF JUNE 8

Sunday, June 8
Residence Halls open for all new students, 8 a.m.
Arrival of new students.
Interlaria Folk Dance Club, 7:30 p.m., HUB terrace (ballroom it rain).

Monday, June 9
Orientation and advising.

Tuesday, June 10
Registration.
Karate lecture and demonstration of Tae Kwon Do techniques, 7 p.m., HUB ballroom.

Wednesday, June 11
Classes begin, 8 a.m.
Outdoor Concert, Silent Way (local jazz group), 7 p.m., Fisher Plaza.

Friday, June 13
Commonspace Coffeehouse, 8 p.m., Room 102 Kern.

WEEK OF JUNE 15

Monday, June 16
Free U registration, 7-10 p.m., HUB ballroom.

Tuesday, June 17
University Faculty Senate Council meeting, 2:10 p.m., Room 101 Kern.
Free U registration, 10 a.m.-4 p.m., HUB ballroom.

Wednesday, June 18
Artists Series Musicals of the '30's, "The Great Ziegfeld," 8:30 p.m., University Auditorium.
Commonspace Theatre, "The Mouse That Roared," 7:30 and 9:30 p.m., Room 112 Kern.

Thursday, June 19
Artists Series Musicals of the '30's, "Forty-Second Street," 8:30 p.m., University Auditorium.

Friday, June 20
Deadline for filing Course Adds for 10 Week Summer Session.
Commonspace Coffeehouse, 8 p.m., Room 102 Kern.

Saturday, June 21
Penn State Chess Club Tournament, 8:30 a.m.-12 p.m., HUB ballroom.

Exhibits

MUSEUM OF ART

Gallery A — Ancient Peruvian Ceramics from the collection of Kehl and Nena Markley, through June 22, Bellefonte Courthouse, June 29-Sept. 10.

Gallery B — Central Penna. Festival of the Arts Juried craft exhibition, July 10-25. Five Pennsylvania Painters, in conjunction with Nittany Mountain Summer, July 27-Sept. 7.

Gallery C — Twenty paintings on wood panels, from Allentown Museum of Art Samuel H. Kress Collection, through Oct. 5. (Note: Hours, 12 noon to 5 p.m., Tuesday-Sunday, closed Monday. Free tours each Thursday at 1:30 p.m. and also at 1 p.m. Aug. 1, 2, 3, 8, 9, 10, 15 and 16).

ZOLLER GALLERY

Central Pennsylvania Festival of the Arts Invitational Art Exhibition, July 12-Aug. 9.

CHAMBERS GALLERY

Lawrence von Barran, paintings, drawings, prints, June 9-27. Betsy Suhey and Virginia Kopacz, metalwork and jewelry, June 30-July 24.

HUB GALLERY

Resurgence Gallery Crafts display, June 9-31. Central Pennsylvania Festival of the Arts, Children's art display, July 14-Aug. 6. Hours — Monday-Thursday, 7 a.m. to 11 p.m. Friday-Saturday, 7 a.m.-12:30 a.m. Sunday, 8 a.m.-11 p.m.

HAMMOND GALLERY

Central Pennsylvania Festival of the Arts, July 17-20. Rosalie Staley, doctoral candidate in art education, Aug. 2-10.

WEEK OF JUNE 22

Sunday, June 22
Penn State Chess Club Tournament, 8:30 a.m.-7 p.m., HUB ballroom.
Interlaria Folk Dance Club, 7:30 p.m., HUB terrace (ballroom it rain).

Wednesday, June 25
Artists Series Musicals of the '30's, "Footlight Parade," 8:30 p.m., University Auditorium.
Commonspace Theatre, "The Loved One," 7:30 and 9:30 p.m., Room 112 Kern.

Thursday, June 26
Artists Series Musicals of the '30's, "Roberta," 8:30 p.m., University Auditorium.

Friday, June 27
File for Pass/Fall Option for 10 Week Summer Session.
Commonspace Coffeehouse, 8 p.m., Room 102 Kern.

WEEK OF JUNE 29

Monday, June 30
File for Pass/Fall Option for 10 Week Summer Session.

Tuesday, July 1
University Faculty Senate, 2:10 p.m., Room 101 Kern.
File for Pass/Fall Option for 10 Week Summer Session.
PSU Tennis Club Junior Tournament, varsity courts.
Deadline for filing Course Drops for 10 Week Summer Session.

Wednesday, July 2
PSU Tennis Club Junior Tournament, varsity courts.
Graduate Council meeting, 2:30 p.m., Room 101 Kern.
Commonspace Theatre, "Bedazzled," 7:30 and 9:30 p.m., Room 112 Kern.

Thursday, July 3
PSU Tennis Club Junior Tournament, varsity courts.

Friday, July 4
PSU Tennis Club Tournament, varsity courts.
Independence Day recess. No classes; ten-week program classes will be made up Wednesday, Aug. 20.

WEEK OF JULY 6

Sunday, July 6
Interlaria Folk Dance Club, 7:30 p.m., HUB terrace (ballroom it rain).

Monday, July 7
Commonspace Theatre, "Putney Swope," 7:30 and 9:30 p.m., Room 112 Kern.

Friday, July 11
Penn State Festival Theatre, "Wonderful Town," 8 p.m., Playhouse Theatre.
Commonspace Coffeehouse, 8 p.m., Room 102 Kern.

Saturday, July 12
Penn State Festival Theatre, "Wonderful Town," 8 p.m., Playhouse Theatre. Matinee 2 p.m.

WEEK OF JULY 13

Sunday, July 13
Penn State Festival Theatre, "Wonderful Town," 7:30 p.m., Playhouse Theatre.
Interlaria Folk Dance Club, 7:30 p.m., HUB terrace (ballroom it rain).

Monday, July 14
Alumni Vacation College, theatrical performance, 9 p.m., Room 112 Kern.

Tuesday, July 15
Deadline for filing Course Adds for 6 Week Summer Session.

Wednesday, July 16
College of Education Lecture, Henry Hermonowicz on "The Social Ecology of Education," 11:10 a.m., Room 112 Kern.
Commonspace Theatre, "Those Fearless Vampire Killers," 7:30 and 9:30 p.m., Room 112 Kern.

Thursday, July 17
College of Education Lecture, Ralph Heimer on "The Future of Our Schools." Central Pennsylvania Festival of the Arts slide talk and presentation, 7 p.m., Room 101 Kern.

Friday, July 18

File for Pass/Fall Option for 6 Week Summer Session.
Penn State Festival Theatre, "You Know I Can't Hear You When the Water's Running," 8 p.m., Pavilion Theatre.
Department of Sociology Lecture, Governor Shapp, 1:30 p.m., Room 112 Kern.
Central Pennsylvania Festival of the Arts, slide talk and presentation, 7 p.m., Room 101 Kern.

Saturday, July 19

Penn State Festival Theatre, "You Know I Can't Hear You When the Water's Running," 8 p.m., Pavilion Theatre.
Central Pennsylvania Festival of the Arts, slide talk and presentation, 2 p.m., Room 101 Kern.

WEEK OF JULY 20

Sunday, July 20
Penn State Festival Theatre, "You Know I Can't Hear You When the Water's Running," 7:30 p.m., Pavilion Theatre.
Central Pennsylvania Festival of the Arts, slide talk and presentation, 2 p.m., Room 101 Kern.

Monday, July 21
File for Pass/Fall Option for 6 Week Summer Session.

Tuesday, July 22
File for Pass/Fall Option for 6 Week Summer Session.
Penn State Festival Theatre, "You Know I Can't Hear You When the Water's Running," 8 p.m., Pavilion Theatre.
College of Education Lecture, Jane Singh on "Equality Issues in Children's Literature," 12:45 p.m., Room 112 Kern.
Deadline for filing Course Drops for 6 Week Summer Session.

Commonspace Theatre, "At the Circus" and "The Pharmacist," 7:30 and 9:30 p.m., Room 112 Kern.

Wednesday, July 23

Penn State Festival Theatre, "You Know I Can't Hear You When the Water's Running," 8 p.m., Pavilion Theatre.
College of Education Lecture, Dale Harris, psychology and human development, on "The Place of Fantasy in Psychological Development," 7:30 p.m., Room 112 Kern.

Thursday, July 24

Penn State Festival Theatre, "You Know I Can't Hear You When the Water's Running," 8 p.m., Pavilion Theatre.
College of Education Lecture, David Carter on "The Courts and the Schools" 3:55 p.m., Room 112 Kern.

Friday, July 25

Penn State Festival Theatre, "You Know I Can't Hear You When the Water's Running," 8 p.m., Pavilion Theatre.
Commonspace Coffeehouse, 8 p.m., Room 112 Kern.

Saturday, July 26

Penn State Festival Theatre, "You Know I Can't Hear You When the Water's Running," 8 p.m., Pavilion Theatre.

WEEK OF JULY 27

Sunday, July 27
Public opening reception for Nittany Mountain Summer and the "Five Pennsylvania Painters" Exhibit, 3-5 p.m., Museum of Art.
Interlaria Folk Dance Club, 7:30 p.m., HUB terrace (ballroom if rain).

Tuesday, July 29

College of Education Lecture, Lester Golub on "Education in the Subcultures," 9:35 a.m., Room 112 Kern.

Wednesday, July 30

Pennsylvania Orchestra Shirt-Sleeve Concert, 8 p.m., University Auditorium.
College of Education Lecture, M. Eloise Murray on "Insights about World Population," 7:30 and 9:30 p.m., Room 112 Kern.
Commonspace Theatre, "What's New Pussycat," 7:30 and 9:30 p.m., Room 112 Kern.

Thursday, July 31

College of Education Lecture, Harold Mittel on "A Structure for Education," 7:30 p.m., Room 112 Kern.

Friday, August 1

Penn State Festival Theatre, "Girl Crazy," 8 p.m., Playhouse Theatre.
Pennsylvania Ballet, "Madrigrasico," "Concerto Grosso," "After Eden," "American Rhapsody," 8 p.m., University Auditorium.
Commonspace Coffeehouse, 8 p.m., Room 102 Kern.

Saturday, August 2

Penn State Festival Theatre, "Girl Crazy," 8 p.m., Playhouse Theatre.
Pennsylvania Ballet, "Madrigrasico," "Concerto Grosso," "After Eden," "American Rhapsody," 8 p.m., University Auditorium.
At Ease with the Pennsylvania Ballet, "The Making of a Dancer," 4 p.m., University Auditorium.

WEEK OF AUGUST 3

Sunday, August 3
Penn State Festival Theatre, "Girl Crazy," 7:30 p.m., Playhouse Theatre.

Monday, August 4

Outdoor Concert, The Dance Band, 7 p.m., Fisher Plaza.

Tuesday, August 5

Penn State Festival Theatre, "Girl Crazy," 8 p.m., Playhouse Theatre.

Wednesday, August 6

Penn State Festival Theatre, "Girl Crazy," 8 p.m., Playhouse Theatre.
Pennsylvania Orchestra Shirt-Sleeve Concert, 8 p.m., University Auditorium.
Graduate Council meeting, 2:30 p.m., Room 101 Kern.

Commonspace Theatre, "A Funny Thing Happened on the Way to the Forum," 7:30 and 9:30 p.m., Room 112 Kern.

Thursday, August 7

Penn State Festival Theatre, "Girl Crazy," 8 p.m., Playhouse Theatre.

Friday, August 8

Penn State Festival Theatre, "Girl Crazy," 8 p.m., Playhouse Theatre.
Penn State Festival Theatre, "Awake and Sing," 8 p.m., Pavilion Theatre.
Behind the scenes of "Girl Crazy," 3 p.m., Playhouse Theatre.
Commonspace Coffeehouse, 8 p.m., Room 102 Kern.
Pennsylvania Ballet, "Recital for Cello and 8 Dancers," "In Retrospect," "Raymond Variations," 8 p.m., University Auditorium.

Saturday, August 9

Penn State Festival Theatre, "Girl Crazy," 8 p.m., Playhouse Theatre. Matinee, 2 p.m.
Penn State Festival Theatre, "Awake and Sing," 8 p.m., Pavilion Theatre.
Pennsylvania Ballet, "Recital for Cello and 8 Dancers," "In Retrospect," "Raymond Variations," 8 p.m., University Auditorium.
At Ease with the Pennsylvania Ballet, "The Choreographer's Craft," 4 p.m., University Auditorium.

WEEK OF AUGUST 10

Sunday, August 10
Penn State Festival Theatre, "Girl Crazy," 7:30 p.m., Playhouse Theatre.
Penn State Festival Theatre, "Awake and Sing," 7:30 p.m., Pavilion Theatre.
Interlaria Folk Dance Club, 7:30 p.m., HUB terrace (ballroom if rain).

Tuesday, August 12

Penn State Festival Theatre, "Awake and Sing," 8 p.m., Pavilion Theatre.

Wednesday, August 13

Penn State Festival Theatre, "Awake and Sing," 8 p.m., Pavilion Theatre.
Pennsylvania Orchestra Shirt-Sleeve Concert, 8 p.m., University Auditorium.
Commonspace Theatre, "The Magic Christian," 7:30 and 9:30 p.m., Room 112 Kern.

Thursday, August 14

Penn State Festival Theatre, "Awake and Sing," 8 p.m., Pavilion Theatre.

Friday, August 15

Penn State Festival Theatre, "Awake and Sing," 8 p.m., Pavilion Theatre.
Behind the scenes of "Awake and Sing," 3 p.m., Pavilion Theatre.
Pennsylvania Ballet, "Adagio Hammerklavier," (Premiere to be announced), "Scotch Symphony," 8 p.m., University Auditorium.
Commonspace Coffeehouse, 8 p.m., Room 102 Kern.

Saturday, August 16

Penn State Festival Theatre, "Awake and Sing," 7:30 p.m., Pavilion Theatre.
Pennsylvania Ballet, "Adagio Hammerklavier," (Premiere to be announced), "Scotch Symphony," 8 p.m., University Auditorium.
At Ease with the Pennsylvania Ballet, "Rehearsal Studio to Stage," 4 p.m., University Auditorium.

Wednesday, August 20

Classes end, 9:55 p.m.

Sunday, August 24

Residence Halls close for Summer Term, 3 p.m.

Saturday, August 30

Commencement, 10:30 a.m.

E. L. Keller dies; retired vice president

Edward L. Keller, who retired in 1969 as vice-president emeritus for public affairs at the University, died Saturday, May 31, after an extended illness. He served on the Penn State staff for 43 years, joining the Industrial engineering faculty in 1926, a year after he had received his bachelor of science degree in industrial engineering at Penn State. He was named head of the engineering extension program in 1935, director of General Extension, now Continuing Education, in 1953, and vice president for public affairs in 1964.

Mr. Keller served in 1949-50 as president of the National University Extension Assn., an organization that later honored him with a Distinguished Service certificate, Key of the Association, and in 1966 its highest honor, the Julius M. Nolte

Award for "meritorious services rendered to the cause of extension education."

The National Assn. of State Universities and Land-Grant Colleges in 1967 honored him for his leadership and personal efforts toward Federal legislation on behalf of adult education. He had served the Association as chairman of the Council on General Extension.

Mr. Keller had served as chairman of the Pennsylvania Heart Assn. and in the community served seven years on the State College Borough Council, five of them as Council president. He was campaign chairman of the United Fund—College Area in 1968 and was a past president of Centre Hills Country Club. He was a member of Alpha Tau Omega, social fraternity, and for many years headed the local alumni group of the fraternity.

PIRG —

(Continued from page one)

all administrative costs involved in the collection and transfer of funds for PennPIRG. The University's function is one of a conduit and not of an agent of PennPIRG.

—The initial contract between the University and PennPIRG will be for one or two years. Before any renewal of a contract, there will be a review by administrative officers of the University and the Board of Trustees of PennPIRG's activities and the degree of participation by students.

The resolution adopted by the Board, with one negative vote, recognizes the potential educational merit of PennPIRG and provides that the group will take all necessary steps to make it clear that its activities are not a part of the programs of the University.

The Board established a "negative check-off" system of funding. Under such a plan, the University would have assessed each student on each term bill \$2.00 in addition to all other fees—with the opportunity made clear on the bill that the students could refuse to pay the \$2.00 to PIRG, and further indication that if they paid the \$2.00 they could get a refund within a specified period.

PROMOTIONS —

(Continued from page one)

Dr. Robert N. Lausch, microbiology (Hershey)
Dr. Robert B. Lewis, agricultural extension
Dr. A. James Ledick, medicine (Hershey)
Dr. David Long, civil engineering
Dr. Ernest B. Lowrie, religious studies
Joseph A. Maciatek, agricultural extension
Dr. Michael J. Mahoney, psychology
Jettrey Maisels, pediatrics (Hershey)
Arthur J. Marsicano, general engineering
(Hershey)
Clifford A. Mason, engineering (Capitol)
Dr. Joseph H. McGahan, agronomy extension
Dr. Donald M. McKinstry, biology (Behrend)

Dr. Helen B. Meahl, sociology
Dr. Jean T. Messner, anesthesiology (Hershey)
David P. Milby, art (Gogots)
Dr. Miroslav Miljkovic, biological chemistry (Hershey)
Dr. D. Douglas Miller, music
P. June Miller, music
Dr. Lloyd A. Morley, mining engineering
Dr. John M. Norman, meteorology
Dr. Jerry Olson, marketing (Hershey)
Dr. Torrence D. Parsons, mathematics
Richard S. Paul, mathematics (Hazleton)
Dr. Joseph Puthenperry, chemistry (McKeesport)
Dr. Perry P. Rebane, history (Gogots)
Dr. Charles M. Redenius, political science (Behrend)

Dr. Donald H. Roberts, anesthesiology (Hershey)
Dr. Thomas A. Ryan, Jr., statistics
Dr. James Samuelson, mathematics (McKeesport)
Dr. Charles G. Sammis, geophysics
Dr. Richard J. Santen, medicine (Hershey)
M. Leonard Shaevel, physics (Hazleton)
George Shomer, Jr., general engineering (Beaver)

Archibald L. Smith, theatre arts
Dr. Duane R. Smith, education (Capitol)
Lanny B. Sommers, art
Dr. Karl E. Spear, ceramic science
Dr. Joseph Stach, electrical engineering
Dr. Wladystaw A. Strumillo, architecture
Roger L. Sweeting, physical education
Dr. G. Thomas Tait, physical education
Dr. James G. Thompson, physical education
James S. Toothman, agricultural economics extension

Coleman urges responsive government

U.S. Secretary of Transportation William T. Coleman Jr. last Saturday urged graduates at University Park Commencement Exercises to demand a responsive government that is flexible enough to adapt its policies to new conditions.

Expressing concern over the growing rate of governmental spending, Coleman said, "we must find a proper balance between meeting our social needs and maintaining the fiscal stability necessary to our nation's survival."

He also urged the graduates to be con-

cerned about integrity in government, noting that the abuses of executive power in the Watergate scandal did not demonstrate the weakness of the presidential office—only of a man and his assistants.

"Law and morality should play a major role in the conduct of the affairs of government," he said. "Political power or majority rule cannot be the only moving force. The true guide to policy in a civilized, democratic society has to be integrity and honesty mixed with courage and intelligence."

U. COUNCIL

(Continued from page one)

Advisory Board, did not endorse major changes which would involve reconstitution of membership of the University Council. Also, the Council itself reassessed its purpose and membership and unanimously recommended no change in membership but indicated a strong preference to identify its principal purpose as being advisory to the President in a recommendation endorsed by the President.

The Council is composed of the provost; deans of two Colleges; the director of one Commonwealth Campus; four tenured members of the faculty, three from Univer-

sity Park and one from a Commonwealth Campus; two students with the status of seventh term or above representing the undergraduate students at University Park; one graduate student; and one undergraduate representing the students at Campuses other than University Park.

It now is recognized as "a broad advisory group to the Office of the President, involving administrators, faculty, and students, providing a means of communication between the administration offices of the University, the faculty and the students, and bringing together the leaders of the University community to consider and review in depth significant matters."

Two new members elected to Board

J. Luther Snyder, of Camp Hill, and Kenneth L. Holderman, of State College, along with five incumbents, have been elected to three-year terms on the Board of Trustees.

Mr. Snyder, master of the Pennsylvania State Grange, was named by delegates from Agricultural Societies, meeting here, and succeeds A. Wayne Reindinger of Fleetwood, who has been a member of the Board since 1969 and was not a candidate for re-election.

Mr. Holderman retired a year ago as vice president emeritus for Commonwealth Campuses of the University and succeeds Charles P. Neldig, of Haverford, who has served on the Board since 1972. He was elected by alumni of the University balloting by mail.

Delegates from Agricultural Societies also re-elected Harry R. Ulrich, Hummelstown poultry farmer, who has served on the Board since 1969, while delegates from Industrial Societies re-elected Samuel F. Hinkle, of Hershey, retired president and chairman of the Hershey Foods Corp., first named to the Board in 1963, and G. Albert Shoemaker, of Pittsburgh, retired president of Consolidation Coal Co. and a Board member since 1957. He had served as president of the Board from 1970 to 1973.

Re-elected by alumni were Dr. Helen Dickinson Wise, of State College, a junior high school social studies teacher, and Jesse Arnette, San Francisco attorney, both have been serving on the Board since 1969.

Don Klias, physical education (McKees-

port)
Marta Koln, English
Margaret M. Kuhn, computer science (York)

Dr. Brook Landis, labor studies
W. Douglas MacNeil, English
Mary E. Manogian, political science (Delaware)

Raymond J. Masters, architecture
Douglas McCullough, recreation and parks (New Kensington)

James McGettigan, physical education (Gogots)
David T. Meeting, accounting and finance (Capitol)

Patricia Meiser, physical education
Alexander Nauda, engineering (New Kensington)

Larry R. Newcomer, computer science (York)

Morton P. K. Pincus, business administration (Altoona)

R. Alan Price, English (Hazleton)
Lowell G. Rein, management development
Marvin H. Runner, ornamental horticulture
Gerald A. Sandusky, intercollegiate athletics

Karen A. Scott, music
Mary Ella Scott, English (Behrend)
Arno Selco, theatre and film (Behrend)
Edward Sichi, English (McKeesport)

Jerome Tanner, theatre and film
Philip L. Taylor, psycho-social science and research (Capitol)

Jerome Tait, accounting (McKeesport)
John A. Vargas, environmental sciences (DuBois)

Ping C. Wu, computer science (New Kensington)

TO RESEARCH ASSOCIATE

Dr. Chao-Shung Feung, pesticide research laboratory
Maurice A. Henry, chemistry
Herman D. Knoble, computation center
Joseph Loomis, human performance laboratory

Dr. William J. McCarthy, pesticide research laboratory
Barbara W. Pennypacker, plant pathology
Duane C. Tate, applied research laboratory

TO SR. ASST. LIBRARIAN

Judith W. Cherry (Capitol)
Ruth J. Heath
Marsha L. Tormay
Sara Lou Whidin
Sukmoon Yoon

Calendar

June 5—15, 1975

Special Events

(Note: the following are in addition to the items listed in the Summer Term Calendar.)

Seminars

Thursday, June 5—Astronomy, 4 p.m., Room 445, David L. Acoustics, 2 p.m., University of Oklahoma, on "Carbon Abundances in G and K Stars."

Thursday, June 12—Ceramic Science, 11 a.m., Room 301 Mineral Industries, James R. Varner, University of Erlangen, Germany, on "The Relationship between Surface Flaws and Glass and Strength."

Lecture

Thursday, June 5—Fitzhugh W. Boggs, Cornell Lecture on Acoustics, 2 p.m., Room 112 Kern, Robert S. Gales, Naval Undersea Center, San Diego, on "Engineering Applications of Psychoacoustics."

Staff vacancies

University faculty or staff members who are interested in any of the staff exempt or staff non-exempt jobs listed below may apply by calling Employment Division, 665-1387 (Network Line 478-1387). Do not contact the area having the vacancy. Applications will be accepted until 5 p.m.:

THURSDAY, JUNE 12, 1975

MANAGER OF MEDICAL RECORDS — Hershey Medical Center

Responsible for the planning, organizing, and development of a medical records system to fulfill the medical record requirements of Hospital Administration, Medical Policy Board, State and Federal regulations, and the joint Commission on Accreditation of Hospital Facilities. Bachelor's degree or equivalent in Medical Record Science, Business Administration or related field, plus five to seven years management experience preferably in a university teaching hospital.

SENIOR SYSTEMS PROGRAMMER, UNIVERSITY LIBRARIES — University Park

Responsible for providing direction and assistance in the systems programming group. Responsible for participation in evaluation, development, and implementation of programs undertaken for the Library Information Access System. Bachelor of Science degree in computer science or equivalent, plus two to four years of directly related experience is required. Systems programming experience in a time-share environment of state-of-the-art computer hardware is desirable. Demonstrated supervisory ability is desirable.

MANAGER OF PATIENT ACCOUNT SERVICES — Hershey Medical Center

Responsible to the Director of Fiscal Services for establishing and directing patient account functions. Includes billing, credit, collection, and related activities involving third party and billing problems. Bachelor of Science or equivalent in accounting or business administration plus five to seven years of experience in hospital-patient accounts area including crediting, collection.

ASSISTANT HOSPITAL DIRECTOR — Hershey Medical Center

Responsible to the Hospital Director for the administrative functions of the out-patient care program and other various departments of the Teaching Hospital. Participates in the planning, organizing, directing, staffing, reporting, budgeting, and controlling activities in these areas as assigned. Masters degree in Health Care Administration or equivalent with one to two years directly related experience in a hospital or other health organization.

AREA REPRESENTATIVE, CONTINUING EDUCATION — Delaware County Campus

Responsible for the functions of development, organization, operation, and administration of Continuing Education programs and services within an assigned geographical district. Bachelor's degree or equivalent with two to three years effective experience in business, industry or education.

The University is an Equal Opportunity Employer.

PENN STATE intercom

Volume 4, Number 39

June 12, 1975

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

Officers for new year installed

Senate acts on admissions policies

Sally S. Small, associate librarian at the Berks Campus, is the new chairman of the University Faculty Senate.

Other new officers installed at the June 3 Senate meeting are Dr. John J. Coyle Jr., professor and head of the Department of Business Logistics, chairman-elect, and Martha S. Adams, assistant dean for resident instruction in the College of Health, Physical Education, and Recreation, secretary.

Elected to the new Faculty Advisory Committee, which includes officers of the Senate, were Dr. William Rabinowitz, professor and head of the Department of Educational Psychology; Dr. Margaret B. Matson, professor of sociology and social welfare; and Dr. Guy E. Rindone, professor of ceramic science.

New members of the Faculty Rights and Responsibilities Committee are Dr. Victor L. Dupuis, professor of education; Dr. Richard T. Tomasic, assistant professor of psychology at Behrend College, and Dr. James B. Bartoo, dean of the Graduate School.

In other action at the session, the Senate adopted new admissions procedures and policies.

Dr. Mary L. McCammon, chairman of the Committee on Academic Admissions Standards, said a major thrust of the policies is to emphasize that anyone with a high school degree may enroll in credit courses. The policies provide for three classifica-

tions of undergraduate students — degree candidate, provisional degree student and non-degree student.

The provisional degree student, a new category, is one who does not meet the normal admissions requirements but may enroll in credit courses. Both the provisional degree and non-degree students may be admitted as degree candidates if they meet a specified grade-point average.

Also approved by the Senate was a report from the Subcommittee on Continuing Education-Resident Education Definition which eliminates the University-wide residency requirement.

It also provides that academic administrators and faculty of each College or program "must have a control mechanism for assuring that high academic standards are maintained in all instructional offerings regardless of their delivery system."

A proposal of transfer policies was sent back to committee for further study after some senators expressed concern over a recommendation that students arriving in a major would be required to maintain the same grade point average required of students who transfer into the program.

The Senate rejected a subcommittee recommendation calling for deletion of a student rule requiring students in academic difficulty to consult with the Division of Undergraduate Studies to determine if some other program of studies should be undertaken.

Bicentennial projects approved

The University's Bicentennial Commission has approved support for five major projects in observance of the nation's two hundredth birthday, and various colleges and departments are planning other projects. They are all listed below so that others may be aware of them if they wish to develop still other projects. These should be reported as early as possible to David R. Schuckers, 304 Old Main, so that the Commission is aware of plans in progress. The report should include the name of the project, a brief description, the group in charge, the name of the person to contact, the proposed date(s) of the project, and the location of the event.

MAJOR PROJECTS APPROVED:

PENNSYLVANIA 1776 — a commemorative book about Pennsylvania during 1776, written by a large number of faculty and staff of the Pennsylvania State University. The book attempts to give a picture of the life and times of the Pennsylvania colonies in 1776. It will serve as a valuable addition to the historical record, as a colorful new teaching aid, and as a lasting remembrance of the Bicentennial celebration.

PORTRAITS U.S.A. 1776-1976 — A special exhibit of the prime works of approximately sixty American portraitists. The two hundred years span chosen to coincide with the period of American independence includes a stellar range of artists from Benjamin West and John Copley in the eighteenth century to contemporary giants such as Andrew Wyeth. Special efforts are being designed to reach uncommon visitors to the Museum of Art such as secondary school students, handicapped and senior citizens. (Apr. 18-June 6).

FREEDOM: THEN, NOW, AND TOMORROW — a state-wide program of approximately 1,000 "town meetings" focusing public discussion upon

the historical significance and changing nature of freedoms (guaranteed by the U.S. Constitution and the Amendments).

BE GLAD THEN AMERICA — a work for orchestra and chorus composed by Pulitzer Prize winner John LaMontaine, dealing with the period immediately preceding the American colonists' revolt. This original work will be performed at University Park in February, 1976 by the Pittsburgh Symphony and will feature prominent guest artists appearing with the University Chorus. Material for the libretto has been drawn exclusively from "period" sources. With additional funding, the production could be taped by the University's television facilities for widespread distribution.

BICENTENNIAL LECTURE SERIES, "AS OTHERS SEE U.S. (USP)" — a series of internationally recognized speakers appearing on the University's campuses during each academic term in 1975-76 for a special, week-long program of discussion and debate centering on the problems, challenges, failures, successes, and social changes in the United States since the time of the American Revolution, with particular emphasis upon the third century of American independence.

In addition, other Bicentennial events have been planned by various colleges and departments:

COLLEGE OF AGRICULTURE

Even Pugh talk by Dr. J. K. Pasto, on science in agriculture about 1860, with slides of Dr. Pugh's activities.

Slide show, "Progress of Agriculture," to be made available to all counties of the state.

Small exhibits in central Agriculture buildings.

As Progress Days — old farm equipment in operation.

Colonial Garden, summer, 1976, with herbs, vegetables, flowers.

Hort Show, Pennsylvania horticulture, past, present, future, by Hort Club. Also for Homecoming Weekend, 1975 and 1976.

Antique farm tools on display.

ART
Kern Building Gallery display of Bicentennial Art Exhibit, after display by William Penn Museum, Harrisburg. 76 watercolors by Nick Ruggieri, Harrisburg Patriot News.

BLACKS
Booklet tracing path of black woman across the state through underground railroad. Oliver Ladrons.

MEDICINE
Evolution of Medicine and Health Sciences, 1776-1976, exhibits, cinematic works, traveling exhibits. Hershey Medical Center.

THEATRE
Penn State Festival of American Theatre, July 9-Aug. 14, 1976. American plays and musicals, continuing program initiated for summer in 1971.

National meeting of SDE on Campus

An exchange of scientific ideas, combined with transaction of business of the organization, will feature the annual national meeting of "Graduate Women in Science," also known as Sigma Delta Epsilon, at University Park, June 13-14. Most of the scientific sessions will be held in the Conference Center of the J. O. Keller Bldg.

Dr. Jessie Price, national president, will preside at the banquet luncheon on noon Saturday, June 14, at the Nittany Lion Inn. Sigma Delta Epsilon members who wish to attend and have not made reservations may still do so. Additional information about all aspects of the meeting may be obtained by calling 865-7557.

The executive council of the organization will meet Thursday evening and a reception and registration for the members and others interested in attending the sessions

SENATE REPORT

The following are the remarks by outgoing Faculty Senate chairman Dr. Helen Snyder and newly elected chairman Sally S. Small, given at the Senate meeting of June 3.

DR. HELEN SNYDER

It is customary for the outgoing Chairman of the Senate to speak briefly on the year's work and to offer some comments on the shape of things to come; I welcome the opportunity to become a part of that custom. Although some of what I will say was foreshadowed in the comments I made at the Faculty Convocation on May 13, there are internal matters which seem to me worthy of comment also.

I hope that you feel some satisfaction with the accomplishments of the year. It seems to me that we have accomplished what we set out to do: move the 35 recommendations of the Joint Administrative-Faculty Committee on Governance into the working procedures of the Senate and Faculty and further the sense of unity among the several branches of this large and very complex University by fostering through personal visits the flow of ideas, problems-discussed, and problems-solved that are of concern to all. Since we are the stewards of the entire faculty, it is immodest for us to suggest that we have created a new heaven and a new earth. That faculty must ultimately decide whether we have done what they intended us to do. But we may, I think, properly assess our own efforts as modestly successful. I feel sure that under the leadership of your new officers, the next year will be satisfying to you and that the faculty as a whole will find the Senate responsive to its wishes.

The sober reflection that is occasioned by the drawing to a close of the 54th year of the Senate at The Pennsylvania State

University, in my case focuses on two matters that I believe we must address directly with the best wisdom we can summon in the next year.

Whether we would wish it or not, I believe the clarification of the Senate's intention when it delegated authority to its committees and proffered it to the college and campus faculty organizations will be necessary. The matter is complex, emotion-ridden, and likely to be an evolving understanding rather than a neatly wrapped definition that can be written into the by-laws and therefore used to solve all questions about delegated responsibility and authority. The import of that evolution is of crucial importance, I believe, to the capability of this University to adapt to the rapidly changing milieu in which higher education must function for the remainder of most of our professional careers. It seems to me that the Senate should reassess its role with respect to both its own committees and the campus and college faculty organizations to decide whether the dogma of "in loco parentis" is any less anachronistic for faculty organizations' relationship to each other than it is for the relationship of the University to the students.

My second concern is not unrelated to the first: the further evolution of the faculty Senate's capability for judging excellence in the education we offer the students of the Commonwealth and the Nation — indeed, the World. We have dealt with the matter in a piecemeal way: grade infla-

(Continued on page three)



Sally S. Small, new chairman.

SALLY S. SMALL

This Senate owes Dr. Helen Snyder a deep debt of gratitude for her leadership this year. In particular, she has pushed and pulled us through the legislation for implementation of many recommendations of the Governance Report in just one year. This feat is no small accomplishment. Thank you, Dr. Snyder.

Fellow Senators and guests. It is with humility that I accept this highest elective office of the Pennsylvania State University Faculty. The office bears an awesome responsibility. I will endeavor to be worthy of this honor.

The Senate has spent two introspective years examining the faculty's role in the governance of this University. This coming year the few remaining loose ends of

(Continued on page two)



President Dwight (right) and Dr. Erwin E. Mueller, Evan Pugh Professor of Physics, were in a jovial mood as the President introduced Dr. Mueller to members of the Board of Trustees. The occasion was the meeting of the Board May 30-31 when the President cited eight members of the faculty to the Board for special recognition. Dr. Mueller was cited for his election to the National Academy of Sciences.

Eight faculty cited by president

Eight members of the faculty were cited by President Oswald for recognition by the Board of Trustees of the University May 30, among them Dr. Erwin W. Mueller, Evan Pugh Professor of Physics, for his recent election to the National Academy of Sciences, the highest distinction in Dr. Mueller's profession. Earlier this year, he was named to the National Academy of Engineering. Dr. Mueller and his wife were guests of the trustees at a dinner.

Other faculty members cited by President Oswald include:

—Dr. John L. Lumley, Evan Pugh professor of aerospace engineering, elected a member of the American Academy of Arts and Sciences.

—Dr. Vladimir S. Stubican, professor of ceramic science, elected a fellow of the American Ceramic Society.

—Dr. William R. Schmalstieg, professor and head of the Department of Slavic Languages, invited by the president of the

Vilnius State University (Lithuanian SSR, Soviet Union) to read a paper at the Third Conference on Current Problems of Baltic Linguistics in September.

—Dr. Peter Gould, professor of geography, recipient of a Meritorious Contribution Award from the Association of American Geographers.

—Dr. John A. Lucas, professor of physical education, elected a fellow in the American Academy of Physical Education.

—Dr. Eugene Kelley, dean of the College of Business Administration, invited to serve as one of the two U.S. delegates to the CENTO Second Conference of University Rectors, in Ankara, Turkey, in September.

—Dr. Ernest J. Harrison, Jr., associate professor of chemistry at the York Campus, joining an eight-year project at the National Institute of Health on medicinal alternatives to morphine.

Other faculty distinctions noted

Ralph Carmode, assistant professor of speech at the Wilkes-Barre Campus, was presented with the Hayfield Award for 1974-75, given annually by the Student Government Association of the campus to the faculty member who has contributed most to the student body through excellence in teaching and participation in co-curricular programs.

Dr. William L. Harkness, professor and head of the Department of Statistics, has been elected a Fellow of the American Statistical Association (ASA). He is among 26 members of the Association selected this year for the honor. The new Fellows will receive certificates citing their accomplishments at the group's annual meeting Aug. 26 in Atlanta, Georgia. Dr. Harkness has served on the ASA National Council, the executive committee of the Section on Statistical Education, and as president of the State College Chapter.

Dr. David B. Geselowitz, professor of bioengineering, has been elected Fellow of the American College of Cardiology, one of four engineers in the world to have received the honor. The College is a non-profit organization chartered and incorporated in 1949 as a teaching institution in Washington, D.C., and is composed largely of physicians and scientists who are dedicated to promoting and developing the life sciences pertaining to the circulatory system in health and disease. It has an international membership of 6,300.

Dr. Harner A. Weeden, associate professor of civil engineering, has been honored by the Pennsylvania Society of Professional Engineers which presented him with the 1975 Surveyor of the Year Award, "in recognition of outstanding contributions to the profession of surveying and service to mankind." The award was given at the 40th annual convention of the Society in Hershey.

Paul N. Reber, associate Montgomery County agent, has been declared the state winner of the Eighth Annual Public Information Awards Contest, sponsored by the National Association of County Agricultural

Agents. The contest is designed to recognize excellence in the use of mass media approaches in Extension teaching and information programs, and it is conducted with the cooperation of Amchem Products, Inc., by the Pennsylvania Association of County Agricultural Agents.

The College of Business Administration Alumni Association and Student Council has honored Benjamin Henszey, assistant professor of business law, and Dr. G. Kenneth Nelson, professor and head of the Accounting Department. Achievement awards were given to Henszey as outstanding teacher and to Dr. Nelson as outstanding advisor.

Donald V. Joyce, instructor in recreation and parks at the University, is the author of an award-winning article in "Social Agency Management," professional social work magazine. He received a fourth place award for the article, "Foundation Funding," which details specific steps to be taken in seeking capital and operating funds from philanthropic sources for more and better services and facilities.

The article appeared in the February issue of "Parks and Recreation" and in the winter issue of the "Pennsylvania Journal of Health, Physical Education and Recreation." It has been reprinted in the "West Virginia Recreation and Parks Review" and is scheduled for publication in a forthcoming issue of "DCA Reports," published by the Pennsylvania Department of Community Affairs.

Appointed

Dr. George H. Grenier, who since 1969 has been dean of the college of engineering at Detroit Institute of Technology, has been appointed division head of the engineering and technology programs at Capital Campus. During the past year, Dr. Robert Conover has been acting head of the program. Dr. Grenier is a graduate of Cooper Union Institute, New York, earned a master's degree at New York University, and was granted a Ph.D. by Montana State University. For seven years he was on the faculty of the University of Toledo and has held positions in industry.

Five department heads named

Speech communication

Dr. Robert S. Brubaker, a member of the faculty since 1952 and currently professor of speech communication, will become head of the Department of Speech Communication July 1, succeeding Dr. Herman Cohen, who is resigning to devote full time to research and teaching.

Dr. Brubaker has already served three terms as acting head of the department, in 1969, 1970 and 1974.

A graduate of the University of Illinois with a B.A. in speech pathology, he received an M.A. and Ph.D. in speech science, with a minor in psychology, also from Illinois. Following receipt of his Ph.D., he was awarded an American Speech and Hearing Association Travel Grant to Italy.

Dr. Brubaker is nationally known for research in speech science and psycholinguistics and acoustics. He is co-author of "Oral Communication in the Classroom" and was co-editor of the book, "Speech Pathology." He is associate editor of the Journal of Communication Disorders and is a member of the board of editors of the Journal of Psycholinguistic Research.

Mineral economics

Dr. William A. Vogely, professor of mineral economics, will succeed Dr. John D. Ridge as head of the Department of Mineral Economics, effective July 1, when Dr. Ridge will be retired as professor emeritus of economic geology and mineral economics.

Before joining the faculty last year, Dr. Vogely was acting deputy assistant secretary for energy and minerals in the U.S. Dept. of the Interior. He was in federal government service in Washington, D.C. from 1952 until last year and from 1948 to 1952 in New Jersey and Ohio. He was at one time chief economist and assistant director for mineral resource evaluation with the U.S. Bureau of Mines.

A 1945 graduate of Kenyon College, Dr. Vogely was acting deputy assistant secretary-Princeton University.

In 1954-60, Dr. Vogely was professor in the Department of Agriculture's Graduate School, teaching evening courses in economic theory. From 1962 to 1974 he was a professorial lecturer at George Washington University, teaching graduate-level courses. He was at Penn State as a visiting professor of mineral economics in the 1969 Spring Term.

He received the Interior Department's highest service award in 1965. In 1972, Kenyon College awarded him an honorary doctor of laws degree.

SMALL —

(Continued from page one)

the reorganization must be connected as expeditiously as possible. Committees need to be organized early and set to work with firm target deadlines that will help to eliminate crowded agendas next Spring. Many committees will be functioning for the first time in an advisory capacity to administrative officers.

The revision of the student rules, the pass-fail system, and delegation of responsibility are among the major carry-over items that must receive careful deliberation.

I will make full use of the proposed cabinet for assigning new items of business.

I am not a loner, but a worker. I cannot carry this heavy load alone, but will need the help of each Senate Officer, each Committee Chairman, and each Senator to help make this Senate productive and responsive to the needs of the University Community. The success of an organization depends not on the structure of that organization, but on the people who wish the organization to succeed. Thank you.

PROMOTION LIST

In last week's INTERCOM, the name of Aubrey D. Vose was missed in the list of faculty promotions; he was promoted to associate professor of agricultural economics extension. It should also be noted that Arthur B. Daugherty was promoted to assistant professor (adjunct) of agricultural economics.

English

Dr. Robert W. Frank, Jr., authority on medieval literature and culture and a member of the English department faculty since 1958, will become head of the department July 1.

He will replace Dr. Arthur O. Lewis, associate dean of the College of the Liberal Arts, who has been acting head of the department.

Dr. Frank has had administrative roles in the past; he was, in 1956-57, the acting chairman of the Department of Language, Literature and Philosophy, at Illinois Institute of Technology, and at Penn State he was director of graduate studies in English from 1962 to 1965, acting chairman of the department in 1966, and associate head 1966-71.

A graduate of Wabash College, where he was Phi Beta Kappa, he earned an M.A. in English at Columbia University, and Ph.D. at Yale. He taught at Lafayette College, University of Rochester, Princeton, and Northwestern before coming to Penn State.

The author of "Chaucer and the Legend of Good Women," published by Harvard University Press, and "Piers Plowman and the Scheme of Salvation," published by Yale University Press, Dr. Frank has prepared many articles for professional journals and was co-editor of "The Critical Question: An Approach to the Problem of Critical Reading and Critical Writing" and "The Responsible Man: The Insights of the Humanities," with colleague Dr. Harrison T. Meserole. He was also co-founder in 1961 of the journal, "The Chaucer Review," and since 1971 has been sole editor.

German

Replacing Dr. Stanley R. Townsend, who will retire after 10 years at the University, in the position of head of the Department of German will be Dr. Richard K. Seymour, currently chairman of the department of European languages and literature and professor of German at the University of Hawaii. The change is effective July 1.

Dr. Seymour was an assistant instructor at Penn State in 1954, then served as an instructor at Princeton University. In 1958 he joined the Duke University faculty, resigning as associate professor to accept the Hawaii post.

The University of Michigan conferred both B.A. and M.A. degrees in German on the new department head; the Ph.D. was granted by the University of Pennsylvania in 1956, in German linguistics.

Now in his seventh year as national secretary-treasurer of Delta Phi Alpha, Dr. Seymour served as executive secretary of the South Atlantic Modern Language Association from 1962 to 1967. He has been active in the development of a materials center for German for the State of Hawaii.

Ag education

Dr. Gene M. Love, professor and coordinator of agricultural education at the University of Missouri, will become head of the agricultural education department August 15, succeeding Dr. David R. McClay who retired Dec. 31 after 29 years on the faculty.

A 1949 graduate of the University, he received an M.S. in 1953 and a Ph.D. in 1954, all in agricultural education.

Before accepting the post at Missouri in 1967, Dr. Love was associate professor at Penn State for nine years, and previously he had served on the faculty of Stanford University with assignment in The Philippines. He was a visiting professor at Penn State in 1969 and at Colorado State University in 1972. Earlier he had taught on the secondary level at East Donegal H.S., 1948-51, and briefly at West Chester high school in 1954 before entering the U.S. Air Force and serving until 1956 as first lieutenant at Stewart Air Force Base.

Honored on a number of occasions, he received the Education Research Award of The American Institute of Cooperation, Washington, D.C. in 1971. He has authored a great many articles and papers and developed with others a long series of manuals for teachers.

Biological sciences reorganized; three departments

The number of administrative units in biological sciences in the College of Science will be reduced from four to three as part of a reorganization plan developed by the faculty in the College.

The new plan was presented to the University's Board of Trustees May 30, and committees are being appointed to implement the necessary changes.

The four existing biological departments — biochemistry, biology, biophysics and microbiology — are to be supplanted by three new units. These include a Department of Biochemistry and Biophysics, a Department of Biology, and a Department of Microbiology and Cell Biology.

Mineralogy change through merger

The graduate program in mineralogy has been merged with that in petrology and geochemistry.

The merger followed recommendations of the Graduate Program Review Committee and approval by the Graduate Council, trustees of the University were advised recently.

The combined program will be known as the geochemistry and mineralogy program. The merger of the two programs, which are closely inter-related scientifically, will result in administrative economy, simplification of catalogue listings and scheduling, and will offer a greater variety of courses to the master's degree candidate.

Dunne memorial

The Howard W. Dunne Memorial Award has been established at the University by the family of the late Dr. Dunne, professor of veterinary science, who died on Sept. 10, 1974. A native of Omaha, Neb., Dr. Dunne served on the Penn State faculty for 21 years. Internationally known for his work on swine diseases, he was recognized for significant contributions to international understanding of veterinary medicine and at the time of his death was serving as president of the International Porcine Veterinary Society with 600 members in 27 different countries. He was a graduate of the School of Veterinary Medicine at Iowa State University and held a doctor of philosophy degree from Michigan State University.

The awards will be made to one or more full-time undergraduate students enrolled in the College of Agriculture who have been admitted to an accredited school of veterinary medicine. The number and amount of the awards will be determined by the Selection Committee.

SNYDER —

(Continued from page one)

...method of requesting new courses, pass-fail options, and so on — but we have not yet thought through what the essential components of academic excellence are. I will suggest two aspects of the academic enterprise that seem to me of overweighing importance in the establishment of academic excellence, not so much because I believe I have any special disbursement of wisdom on the subject but to provide a reference point for the possible future consideration of the matter.

The excellence of the academic program rests in the final analysis on two components: the quality of the faculty and the quality of the students.

If that seems a persuasive approach to the concept of excellence, two relatively "hot" foci of the Senate follow:

More sustained involvement in career development opportunities for all faculty and in recruitment of new faculty. More deliberation of the criteria for admission and advancement of students in the University programs as a whole.

Let me conclude with an expression of my thanks to the officers, the Council and the Parliamentarian for their very great help this year. And let me thank you for giving me the opportunity to be your Chairman for the year now ending.

One of the anticipated consequences of the organizational change, according to Dr. Thomas Wartik, dean of the College, is a regrouping of faculty to allow for optimal matching of the disciplinary thrust of the new departments with the individual faculty members' specialized teaching and research interests.

Cell biology, an area which in recent years has been accorded increasing emphasis in several of the existing departments, will now be recognized by name in the new Department of Microbiology and Cell Biology. Approximately half of the members of this department will be identified with the new subdiscipline.

Dr. Alec D. Keith, associate professor of biophysics, was chairman of the committee which drew up the reorganization plan after almost two years of study and consultation with College faculty.

Other committee members were Dr. Carl O. Claggett, professor of biochemistry; Dr. John J. Docherty, assistant professor of microbiology; Dr. Charles R. Hartzell, assistant professor of biochemistry; Dr. Wesley C. Hymer, professor of biology; Dr. Jean W. MacCluer, associate professor of biology; Dr. Paul W. Todd, associate professor of biophysics; Dr. James E. Wright, Jr., professor of genetics; and Dr. Leonard N. Zimmerman, professor of bacteriology.

Additional trustee actions noted

Among actions taken by the Board of Trustees recently were the following:

Approved affiliation agreements between The Milton S. Hershey Medical Center and two community hospitals. One accord, with Harrisburg Hospital at Harrisburg, establishes the first combined residency program between the Medical Center and a community hospital. It merges the general surgery programs of the Medical Center and Harrisburg Hospital into one program under the auspices of the College of Medicine of the University.

The residency program will be known officially as The Pennsylvania State University Affiliated Surgery Residency Program. Dr. John A. Waldhausen, professor and chairman of surgery at Hershey, will be the director of the residency program. He will work in consultation with Dr. Robert P. Duttlinger, director of surgical education at Harrisburg Hospital, in the selection of residents and operation of the program.

A second agreement makes the Clearfield Hospital at Clearfield the ninth community hospital affiliated with the Medical Center for the joint planning and operation of a variety of undergraduate and postgraduate educational programs for students and staff.

Under this agreement, medical students will be able to take elective educational experiences at Clearfield and the University will provide consultation end aid for scheduling, accreditation, facilities and speakers for continuing education activities for Clearfield Hospital staff. Physicians on the Clearfield Hospital staff who make significant volunteer teaching efforts for medical students will receive clinical appointments to the College of Medicine.

English as second language offered

Teaching assistants at the University, for whom English is a second language will benefit from a special Speech Communication course which began yesterday (Wednesday, June 11) with instruction provided by a team headed by Dr. Paul Holtzman, director of the Graduate School Language Testing Center for International Students. He is also supervisor of instruction in English as a Second Language in the Department of Speech Communication.

Authorized the employment of an architect to plan the airconditioning of certain guest rooms in the Nittany Lion Inn. The firm approved is Harbeson Hough Livingston and Larson, of Philadelphia. The airconditioning project is listed as Phase II of a general improvement program at the Inn. The first phase, now in progress, included conversion of the coffee shop into a function room and improvements to the assembly room and other public areas in the basement. On the main floor, the project included improvements to the lobby, including a new north entrance, conversion of the peacock alley area into private dining rooms, and redecoration of the Penn State Room. Earnings of the Inn will finance all improvements.

Authorized the employment of the firm, Environmental Planning and Design, architects, of Pittsburgh, to design a site development plan for West Central Campus. The area involved includes the site of the Environmental Sciences Bldg. along North Atherton St., as well as the campus entrance at Pollock Road and North Atherton St., and extending east to Burrows Rd. Development of a plan will be financed with gift funds.

Approved designation of the Student Recreation Bldg., now under construction along Curran Road, north of Shields Bldg., as "Intramural Bldg." The building, a General State Authority project, is expected to be completed by the opening of the Fall Term.

Approved final plans for an addition to the Dairy Breeding Research Center, to provide facilities for small animals used in the dairy breeding research program. The building will be of concrete block and will be 26 ft. by 26 ft. square.

The course is in response to concerns expressed by both faculty and undergraduate students and has been designed to focus on all aspects of the communication situations which arise between teacher and students. Dr. Holtzman says.

Aiding in the course instruction will be graduate assistants Deborah Baker and Walter Matreyek, both of whom have had experience in teaching English as a second language in foreign countries.



Greenhill photo exhibit at Kern

Leslie P. Greenhill, assistant vice president for academic affairs, whose photographic exhibit is currently on display in Kern Graduate Bldg., takes Kern Graduate Commons secretary Nancy Jordan on a tour of the exhibit. Twenty-five photos of buildings and landscapes from around the world comprise the exhibit, a very small part, indeed, of a much excellent "show" he has made in a quarter-century of travel. Greenhill is a Fellow of the Royal Photographic Society and an Overseas Corresponding Member of the Society's Council. He is also a member of the International Editorial Board of the Encyclopedia Cinematographica. The exhibit, which will be displayed for another week, may be seen Monday through Friday, 8 a.m. to 11 p.m., Saturday 8 a.m. to 5 p.m., and Sunday noon to 11 p.m.

Calendar

June 12-22, 1975

SPECIAL EVENTS

Friday, June 13 — Commonsplace Coffee house, 8 p.m., Room 102 Kern.
Monday-Tuesday, June 16-17 — Free-U registration, HUB ballroom. Monday, 7-10 a.m., Tuesday, 10 a.m.-4 p.m.
Wednesday-Thursdays, June 18-19 — Artists Series Musicals of the '30's, 8:30 p.m., University Auditorium. Wednesday, "The Great Ziegfeld," Thursday, "Forty-Second Street."

Friday, June 20 — Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.
Saturday-Sunday, June 21-22 — Penn State Chess Club Tournament, HUB ballroom. Saturday, 8:30 a.m.-12 p.m., Sunday, 9:30 a.m.-7 p.m.

Sunday, June 22 — Interlândia Folk Dance Club, 7:30 p.m., HUB terrace (ballroom in case of rain).

OFFICIAL

Friday, June 20 — Deadline for filing Course Adds for 10 Week Summer Session.

FILM

Wednesday, June 18 — Commonsplace Theatre, "The Mouse That Roared," 7:30 and 9:30 p.m., Room 112 Kern.

SEMINARS

Thursday, June 12 — Astronomy, 4 p.m., Room 445 Davey. David Branch, University of Oklahoma, on "Carbon Abundances in G and K Stars."

Thursday, June 12 — Ceramic Science, 11 a.m., Room 301 Mineral Industries. James R. Varner, University of Erlangen, Germany, on "The Relationship between Surface Flaws and Stress in Strength."

Thursday, June 19 — Ceramic Science, 11 a.m., Room 301 Mineral Industries. Dr. Sila Ray, on "Crystal Structure and Oxygen Transport in Nonstoichiometric CeO_2 ."

EXHIBITS

Museum of Art — Ancient Peruvian Ceramics from the collection of Kehl and Ann Martini, Gallery A. Twenty paintings on wood panels from the Museum of Art Samuel H. Kress Collection. Gallery C. Selections from the Permanent Collection. Note: Hours from 12 noon to 5 p.m., Tuesday-Sunday, closed Monday. Free tours Thursdays at 1:30 p.m.

Chambers Gallery — Lawrence von Barran, paintings, drawings, prints.

HUB Gallery — Renaissance Gallery Crafts display.

Kern Gallery — Furniture and other wood crafts of Christopher Wendland, M.Ed. candidate in art education, continuing through June. Gallery C. The world by L. P. Greenhill — Architectural Engineering student work, models, drawings, and award-winning thesis projects, until June 30.

Cultural Center, Walnut Building — Marc Levey, photography, June 4-17.

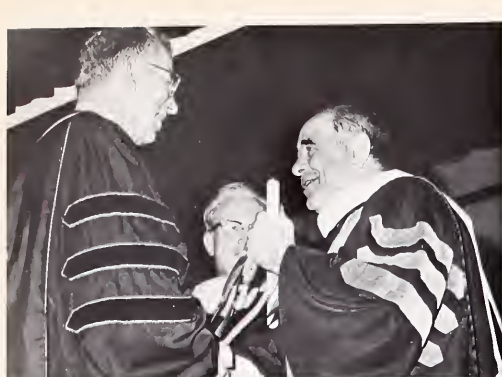
WPSX highlights

Monday, June 16 — An hour program, hosted by Congressman Peter Rodino, focusses on the problems faced by families not poor enough to qualify for free legal aid but not rich enough to afford private counsel, at 8 p.m.

Tuesday, June 17 — An investigative report, at 8 p.m., on the funeral industry in America, titled "The American Way to Obit," which was a highly controversial book about the ethics of the industry about a decade ago. In this program, Jessica Milford, who wrote the book, interviews a British funeral director, and reports on an undercover reporter who attended a management seminar of funeral directors.

Wednesday, June 18 — Attorney General Levi discusses and debates with Georgetown University law students on critical moral and professional issues that the graduates will face in the legal world, at 8 p.m.

Thursday, June 19 — Beginning at 7:30 p.m., with a half-hour look at what the family should know about emergencies in the home, a three-part program on emergency medical services in the state is featured. At 8:20 p.m., Kevin Tighe of "Emergency" hosts a dramatized documentary that uses a simulated traffic accident to illustrate the kinds of emergency services that are — and aren't — available to Pennsylvanians. At 9:00 p.m., a panel of professionals in many areas of emergency medical care services provide their perspectives on how to solve Pennsylvania's emergency care problems. "A Stitch In Time" is followed at 9:30 p.m. by a WPSX-TV followup program that examines the history of services presently available in Central Pennsylvania, the inherent geographical problems of serving a large and small town area, and some possible solutions. Dr. Arnold Mueller, assistant professor of medicine at the Hershey Medical Center, served as an advisor for the statewide project.



Honorary degree for President Oswald

Gettysburg College conferred an honorary Doctor of Humane Letters degree on President Oswald at the 143rd commencement of the College June 1. Dr. C. A. Herman (left), president of Gettysburg, conferred the degree along with Ralph W. Cox, chairman of the Board of Trustees. The college also conferred honorary doctor's degrees on two Lutheran ministers, a pediatrician, an insurance executive, and an attorney at the same ceremony. President Oswald also holds honorary degrees from DePaul University, University of Louisville, Centre College, University of California at Davis, Temple University, and Jmuia.

News in brief

BERKS THEATRE

Berk's Summer Theatre at the Berks Campus will have directors for two of its productions this year who have wide experience in musical theatre, Franco Gentilella and Peter R. Strain, both from New York. Gentilella, who has gained recognition for his work in operatic productions, will direct "The Desert Song," which will play Aug. 13-23. Strain, who in 1973 won the Theatre Managers Association Award for best musical for his production of "Fiddler on the Roof" in a summer theatre, will direct "My Fair Lady." Last year he directed the show "Anything Goes" for Berks Summer Theatre.

FREE-U REGISTRATION

Registration for Summer Term courses offered by Free-U will take place Monday and Tuesday, June 16-17, in the HUB ballroom. On Monday, the hours are 7 to 10 p.m. and Tuesday, 10 a.m. to 4 p.m. The registration is for courses which are limited in number; others require no registration.

tion. Booklets listing the 45 or so courses being offered during the summer are now available in Room 203C HUB. Four courses not listed but which will be offered are Free Hand Drawing, Meditation, Massage, and Field Trips in Nittany Valley, which includes a study of the geology, geography and natural aspects of the valley. A Group Poetry Reading course will also be held, one of a number of common interest groups which are structured around group participation rather than direct guidance. At present, Free-U hopes to obtain volunteers to teach life saving, water safety, and basic auto repair. More information may be obtained by calling 863-0038.

BUILDING CONVERSION

The Agricultural Education Bldg., now vacant, will undergo alterations to convert it into a facility for use of the Department of Art Education.

The conversion includes the construction of an enclosed area for ceramics work as well as other changes.

The building, constructed in 1888 as the Agricultural Experiment Station Bldg.,

term. Awards will be announced about Nov. 12.

Jan. 5, 1978 — See comments under preceding listing of Oct. 3 for procedures and documents required for applications for spring term tuition grants-in-aid. Applicants wishing to apply for summer renewals may do so simultaneously.

Feb. 3, 1978 — Applicants by PSU graduate students for Graduate School and Pennsylvania Research Fellowships and ERG Traineeships. Each applicant must be nominated by his graduate major. Not more than three nominations per major (exclusive of ERG Traineeships) are allowed.

Applications will be supported by three letters of recommendation and complete transcripts. Awards will be announced about March 29. Applicant must be admitted to work for a doctoral or MFA degree. GRE verbal and quantitative scores or the equivalent of all applicants who are not already doctoral candidates. Stipend is currently up to \$325/month for twelve months for Pennsylvania Research Fellowships, up to \$310/month for nine months for Graduate School Fellowships. Tuition or dissertation fee is also provided. . . . Feb. 17, 1978 — applications by incoming graduate students for Eric A. Walker and Graduate School Fellowships. Fellowship Supplement. Grants-in-aid and ERG Traineeships. Stipend is currently up to \$250/month for up to nine months, plus tuition. Applicants must be nominated by his graduate major. Limit of three nominations per major (in addition to three already enrolled nominees, but no more than three total awards to any one major). Applicants must be supported by complete transcripts, at least three letters of recommendation, and GRE verbal and quantitative scores or the equivalent. Awards will be announced about March 29. . . . April 12, 1978 — See note under preceding Oct. 3 listing for procedures and documents regarding applications for summer term grants-in-aid. All fall term renewal applications must be submitted simultaneously. Awards will be announced about May 21. . . . April 26, 1978 — See note under preceding Oct. 3 listing for procedures and documents required for applications for fall term grants-in-aid from students who did not apply for summer term. Renewal applications will not be accepted from summer term applicants at this time. Awards will be announced about May 30. (Ref. FO 75-15).

REMINDER AND DEADLINE DATES

June 26 for RANN Regional Seminar in Washington, D.C. May 29 INTERCOM #181-53. . . . July 1 for NEH Consultants Grants Program (May 1 INTERCOM #177-2). . . . July 1 for Fulbright-Hays Lecturing and Advanced Research Abroad (May 8 INTERCOM #175-1). . . . July 1 for NEA Arts in Schools Program (May 22 INTERCOM #180-2). . . . Aug. 15 for NASA Life Sciences Program in Space (May 15 INTERCOM #179-10). . . . Sept. 10 for NSF Undergraduate Research Participation (May 29 INTERCOM #181-2).

Lancaster, Townsend to retire

Dr. Otis E. Lancaster, retiring for a second time July 1, will have the title of associate dean emeritus in the College of Engineering and George Westinghouse professor emeritus of engineering education. In June, 1974, he retired as associate dean for instruction in the College of Engineering, but he remained on the faculty as George Westinghouse professor, and during the past year has continued studies for the development of engineering faculty, conducted his annual seminar on effective teaching, and improved his system of faculty evaluation. He also taught courses in industrial and aeronautical engineering.

A graduate of Central Missouri State College, he received an M.S. in mathematics from the University of Missouri, Ph.D. in math from Harvard, and the degree of aeronautical engineer from California Institute of Technology.

A member of the faculty here since 1957, Dr. Lancaster had previously held various positions in the Navy Department, Internal Revenue Service, Post Office Department and had taught at University of Maryland and Harvard.

will make available facilities to replace those lost on West Campus where the Environmental Sciences Bldg. now is under construction.

ALUMNUS ELECTED

A 1936 graduate of the University has been elected the 1975-76 president of the National Society of Mining Engineers. He is Robert L. Llewellyn, who received his degree in mechanical engineering from Penn State. He is now vice president of Roberts and Schafer, Chicago-based designers and builders of coal handling and preparation plants. The S.M.E. has 15,000 members concerned with metallic and non-metallic ores and coal.

MILLERSBURG STAFF

The first staff members of the new Evelyn G. Frederick Health Center in Millersburg, Pa., will include two graduates of the family medicine residency program at the Hershey Medical Center and a member of the family of physicians which has served the community since 1902. The new center was developed by the Hershey Medical Center staff and the Evelyn G. Frederick Trust. Dr. William D. Hakkarinen, former chief resident in family medicine at Hershey, and Dr. Rodney K. Hough, current chief resident, will be on the staff along with Dr. Henry G. Hottenstein, Millersburg physician for 40 years, who was instrumental in bringing together the Hershey staff and the Trust to establish the new center.

Staff vacancies

University faculty or staff members who are interested in any of the staff openings or staff non-exempt jobs listed below may apply by calling Employment Office, 865-1387 (Network Line 475-1387). Do not contact the area having the vacancy. Applications will be accepted until 5 p.m.

THURSDAY, JUNE 15, 1978

ASSISTANT TO THE DEAN OF STUDENT AFFAIRS — Aloana Campus

Responsible to the Dean of Student Affairs for the development and maintenance of a positive living-learning environment and to the academic programs in the men's residence hall. Supervises men's residence hall staff, and advises area government. Responsibilities include: supervision of all academic programs related to new student programs and the cultural arts. Master's degree or equivalent in Student Personnel, Counselor Education, or related field with one to two years directly related experience.

ADMINISTRATIVE ASSISTANT FOR ACADEMIC AFFAIRS — McKeesport Campus

Responsible to the Associate Director for Academic Affairs for establishing course timetables, coordinating academic offerings, data processing services for the campus, working with Division Representatives and faculty on day to day operations, monitoring and coordination of academic budgets and general administrative duties related to the academic operations of the campus. Master's degree or equivalent in an area such as Higher Education, Administration or a teaching discipline with two to three years directly related experience in an educational capacity or teaching in an institute of higher education.

PROGRAMMER, MANAGEMENT SERVICES — University Park

Responsible to participate in analysis, program design, coding, documenting and other programming tasks required to produce reports, make mathematical computations or maintain information files. Bachelor's degree or equivalent in Computer Science or related field plus one or two years directly related experience. Knowledge and/or experience concerning applications is desirable though not required.

The University is an Equal Opportunity Employer.

Dr. Stanley R. Townsend, professor and head of the Department of German since 1965, will retire July 1 with professor emeritus rank. He came to the University from Michigan State University where he was chairman of the Department of Foreign Languages and professor of German from 1959 to 1964. A graduate of the University of Rochester, Dr. Townsend earned his master of arts and doctor of philosophy degrees at Northwestern University. He saw service as a Navy lieutenant during World War II, and in 1946 joined the faculty of the University of South and Baltimore as a visiting assistant professor of German. In 13 years there, he became a professor of German and from 1950 to 1956 was assistant dean of the Graduate School. While at Penn State, he instituted the concept of comparative criticism and was instrumental in starting the "Yearbook of Comparative Criticism," which is published by Penn State's Press.

In addition to being a search for intercultural, universal literary values, comparative criticism allows a literary work under analysis to determine itself the method by which it should be evaluated. After his retirement, Dr. Townsend plans to devote more time to further refinement and definition of the concept.

Knerr succumbs

Dr. Henry W. Knerr, who retired in 1968 as associate dean of the Graduate School and professor of physics, died June 6 in State College. He had joined the Penn State faculty in 1936 after teaching at University of Michigan and Georgia School of Technology. Born in Fisher, Ill., he was graduated from the University of Illinois and received his master of arts degree from Harvard and doctor of philosophy degree from University of Michigan.

NATIONAL —

(Continued from page one)

will be held Friday evening at the Nittany Lion Inn. The scientific session will be held Saturday, June 14, at 8:30 a.m. in the Conference Center, with the following speakers:

Dr. Mary Willard, professor emerita of chemistry, on "Analysis of Drugs Such As Marijuana, Barbiturates in Criminal Investigations."

Dr. Sylvia Stein, research associate of microbiology, on "Growth Control — Factor of Human Cells in Cell Culture."

Janice Perlen, graduate assistant, Materials Research Laboratory, on "The Crystal Chemistry of Some Salts."

Patricia Sanders, on "Sex Bias in Public Schools and Its Impact on the Selection of Careers in Science for Girls."

Catherine E. Prock, graduate assistant in physics, on "Thermionic and Photoemission from Tantalum and Nickel Oxides."

Teresa-Torres Hoffman, graduate assistant in physics, on "Electric Measurements of Beta-Gamma Crystals."

Elizabeth L. White, graduate student in civil engineering, on "Flood Hydrology in Carbonate Terrains."

Following the banquet luncheon, the grand chapter meeting will be held in the Conference Center. At 6 p.m., a barbecue supper will be held at the picnic area near East Halls. Tickets for the buffet will be \$4.50, for the luncheon, \$6.00.

The Nu chapter, of which Elizabeth Bonczar, graduate student in mineral economics, is president, invites everyone to attend the scientific sessions, which will be chaired by Dr. Indu Mulay, professor of solid state science. The delegates will be welcomed by Mrs. Bonczar and Sarah Ann Gallagher, secretary of the chapter and graduate student in solid state science.

Hazardous waste

A small building for storage of hazardous waste materials will be constructed in the chemical storage area, north of the Salvage Warehouse.

It will be used for protected storage of hazardous waste materials until they can be properly removed by an authorized contractor. It was expected. The project will enable the University to comply with regulations of the Department of Environmental Resources and other Federal and State agencies.

PENN STATE intercom

Volume 4, Number 40

June 19, 1975

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

News in Brief

WEIDHAAS FUND

A memorial fund to honor his father has been set up by Ernest R. Weidhaas, professor of engineering graphics, and the fund will aid needy disadvantaged students enrolled or planning to enroll as full-time associate or baccalaureate degree candidates in the College of Engineering. The fund will be known as the Ernest Weidhaas Memorial Fund.

STUDENT HOUSING HELP

To help students of the University looking for off-campus housing during the Fall Term, the Office of Student Affairs in cooperation with the Organization of Town Independent Students, has opened a housing locating service which maintains current listings of facilities available in the area. The office is located in Room 335, Boucke Bldg., with the telephone number, 865-3491. Office hours are 8 a.m. to 5 p.m. on weekdays and 8 a.m. until noon on Saturday. The office works closely with the State College Area Chamber of Commerce, 129 W. Beaver Ave., (Telephone 237-7644), which also maintains listings of facilities available in private homes in the State College area.

FFA HERE

The horde of young people on campus (in addition to the regular students) is the Future Farmers of America, which meets here every year, for educational sessions, contests in judging, public speaking, mechanical tests, and a host of others. They will also make tours and there is a crowning ceremony, for Pennsylvania FFA Princess.

ARTISTS SERIES FILMS

The Artists Series Films of musicals of other years include "Forty Second Street" today (June 19); "Footlight Parade" (with James Cagney) next Wednesday, (June 25) and "Roberta," next Thursday, (June 26). All begin at 8:30 p.m. in University Auditorium, and tickets will be available at the door.

Calendar—June 19-27, 1975

Special events

Thursday, June 19 — Artists Series Musicals of the '30's, "Forty-Second Street," 8:30 p.m., University Auditorium.
Friday, June 20 — Commonsplace Coffee-house, 8 p.m., Room 102 Kern.
Saturday-Sunday, June 21-22 — Penn State Chess Club Tournament, HUB ballroom, Saturday, 8:30 a.m.-12 p.m., Sunday, 8:30 a.m.-7 p.m.
Sunday, June 22 — Interlaria Folk Dance Club, 7:30 p.m., HUB terrace (ballroom in case of rain).
Sunday, June 22 — Black Christian Fellowship worship service, 11:15 a.m., Helen Eakin Eisenhower Chapel.
Wednesday-Thursday, June 25-26 — Artists Series Musicals of the '30's, 8:30 p.m., University Auditorium, Wednesday, "Footlight Parade," Thursday, "Roberta."
Friday, June 27 — Commonsplace Coffee-house, 8 p.m., Room 102 Kern.

Seminars

Thursday, June 19 — Ceramic Science, 11 a.m., Room 301 Mineral Industries. Dr. Siba Ray on "Crystal Structure and Oxygen Transport in Nonstoichiometric CeO₂."
Thursday, June 19 — Plant Pathology, 8 p.m., Room 213 Buckhout. Dr. Samuel Smith on "Meristem-tip Culturing for the Production of Virus Indexed Planting Stock."

Griffith to head Black Studies

Dr. Cyril E. Griffith, assistant professor of history, has been appointed director of the University's Black Studies Program.

His appointment, effective July 1, was announced by Dr. Robert E. Dunham, vice president for undergraduate studies.

Citing the importance of Black Studies among the University's undergraduate offerings, Dr. Dunham said the inter-college program is designed to provide all students with an understanding about the black person's culture and progress in Africa, the Caribbean and the United States; to make students aware of the contributions Afro-Americans have made to the American culture, and to enrich black students with appreciation of this heritage.

A Penn State faculty member since 1970, Dr. Griffith has been serving as chairman of the Black Studies Committee. The student-faculty group was established as the academic program committee for Black Studies as part of a continuing effort to recognize and strengthen the program.

A graduate of Wilberforce University with a bachelor of arts degree, Dr. Griffith received his master of arts degree in history from Bowling Green State University and his doctor of philosophy degree, also in history, from Michigan State University. He was an instructor in African and Afro-American history at St. Paul's College, Lawrenceville, Va., from 1965 until joining the Penn State faculty.

TV series on aging has wide response

A series of three television programs prepared by WPSX-TV and the Gerontology Center of the College of Human Development brought wide public response as well as a commendation by Governor Milton Shapp.

The series, "To Age is Human," was broadcast in May by WPSX as a continuing education and community service of the College. The total project also involved special editions of the Pennsylvania Public Television Network's programs, "Pennsylvania Magazine" and "Pennsylvania Town Meeting," and the development by the Gerontology Center of statewide community service activities designed to take the programs into the local community and to generate a productive response to the concerns raised by the series.

Some 11,000 requests for materials have been made as a result of the project, which also included production of a 28-page booklet, "New Beginnings: A Guide to Community Organization for Older Pennsylvanians," authored by Dr. Frederick

Eisele, associate director of the Center, and Robert Quarteroni.

Dr. Eisele served as content specialist for the television broadcasts and developed the community service aspects of the total project.

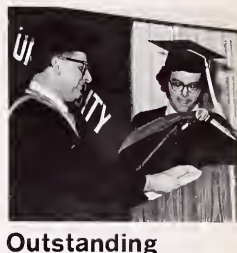
WPSX also developed promotional materials used statewide by PPTN's seven member stations and coordinated various community activities.

Videocassette copies of the three WPSX specials are available for non-broadcast use through Audio-Visual Services.

Hershey appointment

Dr. William A. Weidner, professor and chairman of radiology at the Hershey Medical Center, has been given the additional title of associate dean for health care in the College of Medicine. He came to the Medical Center in 1971 from the University of Oklahoma, where he had been professor of radiology and associate professor medicine.

A graduate of the University of Wisconsin, which also granted him the M.D. degree, he served his internship at the Medical College of Virginia Hospitals, in Richmond, and had residencies in general surgery at the Veterans Administration Hospital in Seattle and in radiology at Los Angeles County General Hospital. He held faculty positions at the University of Southern California School of Medicine, UCLA, and the Medical College of Virginia before going to Oklahoma.



Outstanding

From one Smith to another — Charles J. Smith, left, director of the Opentex Campus, presents the 1975 Outstanding Teaching Award to Dr. James S. Smith, assistant professor of English, an honor bestowed annually on a faculty member selected by a faculty committee from nominations submitted by both students and faculty. Earlier this year, Dr. Smith received the annual award for outstanding advising, also presented by faculty and students. He is the youngest member of the Opentex faculty, but in addition to teaching and advising, he has chaired several faculty committees, is Opentex representative to the University Faculty Senate, and is engaged in research on the relationships between popular media and cultural history.

Faculty notes

Dr. Francis M. Dwyer, Jr., senior research associate of education in the College of Education, and senior research associate and coordinator of instructional evaluations in the University Division of Instructional Services, gave 17 lectures in one month in Japan recently, on a variety of topics and to a variety of groups. He also gave a three and a half hour instructional lecture which was videotaped and was to have been broadcast nationwide June 11.

Dr. Dwyer, since 1965, has been involved in innovative research programs aimed at identifying the types of visual materials which would be most effective in facilitating student achievement of specific educational objectives when the content is presented via different instructional formats. More than a hundred papers have resulted from this research, and Dr. Dwyer has presented his findings at a number of national conventions.

In Japan, Dr. Dwyer served in the Visiting Professorship Programme at the invitation of the Japan Society for the Promotion of Science. The area of his lecturing

(Continued on page two)

Official

Friday, June 20 — Deadline for filing Course Adds for 10 Week Summer session.

Friday, June 27 — File for Pass/Fail Option for 10 Week Summer Session.

Films

Wednesday, June 25 — Commonsplace Theatre, "The Loved One," 7:30 and 9:30 p.m., Room 112 Kern.

Exhibits

Museum of Art — Ancient Peruvian Ceramics from the collection of Kehl and Nena Markley, Gallery A, through June 22. Twenty paintings on wood panels, from Allentown Museum of Art Samuel H. Kress Collection, Gallery C. Selections from the Permanent Collection, Gallery C. (Note: Hours from 12 noon to 5 p.m., Tuesday-Sunday, closed Monday. Free tours Thursdays at 1:30 p.m.).
Chambers Gallery — Lawrence von Baran, paintings, drawings, prints, through June 27.
HUB Gallery — Renaissance Gallery Crafts display; Mode Fabrics display. Both through July 11.

Kern Gallery — Furniture and other wood crafts of Christopher Weiland, M.Ed. candidate in art education. Photos from around the world by L. P. Kernhill.

Freedom survey

One of the University's Bicentennial activities is a series of local meetings throughout Pennsylvania on the subject of "Freedom: Then, Now and Tomorrow." To provide background for the series, Planning Studies in Continuing Education is conducting a newspaper survey of attitudes about Freedom and has asked that faculty and staff members be given the opportunity to participate in the survey through INTERCOM and Penn State REPORTER. The survey questions are:

1. WHAT IN YOUR OPINION IS THE GREATEST THREAT TO YOUR PERSONAL FREEDOM TODAY?

2. WHAT IN YOUR OPINION IS THE GREATEST THREAT TO THE FREEDOM OF ALL AMERICANS TODAY?

3. DO YOU THINK THERE ARE GROUPS THAT ENJOY MORE FREEDOM THAN OTHERS? Yes or No. . . . If yes, would you care to name a group that, in your judgment, is often denied the constitutional freedoms as you understand them?

In the four freedoms listed below rate, from zero (in ten terms being the lowest, ten the highest) the extent to which you think those freedoms exist for Americans today and the extent to which you think they should exist.

Freedom of:	Does Exist (0-10)	Should Exist (0-10)
4. religion		
5. speech		
6. the press		
7. assembly		

(Please clip the questionnaire and send to Room 219 Grange Building, University Park, Pa. 16802.)

WANTED

Dr. Thomas W. Benson, of the Department of Speech Communication, has been asked to edit a scholarly journal, "Communication Quarterly," and is seeking a part-time secretary and office manager for typing, filing, and editorial chores, beginning July 1. He would prefer someone who will be able to stay with the job and preferably someone with a bachelor's degree. The work would involve about ten hours per week. Anyone interested should contact 865-3461, 865-4201, or 238-5277.

Death

Dr. Abram M. I. Fiskin, a member of the faculty since 1967, associate professor of English, died June 8 in St. Charles, Mo. He was 59. He was a graduate of the University of Manitoba, receiving advanced degrees from the University of Minnesota. His specialty was the field of business and technical writings and drama and the history of English literature. He taught previously at Manitoba, Northern University of Denver, and Drake University.

FACULTY—

(Continued from page one)

was the effective and efficient use of educational technology in the teaching-learning process. His lecture topics ranged from "Organizing and Managing Educational Technology" to "Visual Literacy" to "Open University." He lectured at six universities, including Tokyo University and Kyoto University of Education, the Nippon Telegraph and Telephone Corp., Sony Corporation, the Nippon Hoso Kyokai Japan Broadcasting Corp., and the Tokyo Science Center for Youth.

Extremely anxious to advance their educational methods, the Japanese, Dr. Dwyer reports, have tended to emphasize the traditional methods of teaching, but now recognize the merits of using visual instruction to a greater degree. He was impressed, however, by the genuine concern for improving instructional methods in general and their willingness to work long hours to accomplish their goals, but with a team, rather than individual, approach to research and study.

One of the unexpected pleasures in the nine-week tour of Asia taken by Dr. Samuel S. Dubin, professor of psychology in the Department of Planning Studies, Continuing Education, at the behest of the U.S. Information Agency, was that he found Penn State graduates, usually high placed officials in government or business, in such far-flung regions as The Philippines, Bombay and Saigon.

The purpose of the tour, which followed Dr. Dubin's year's leave to serve as a UN/ILCO consultant in Iran, was to give a series of lecture-seminars on such topics as Managerial Obsolescence, The Psychology of Keeping Up-to-Date, Implementing Change in Organizations, Organizational Climate, Organizational Development, and the Expectancy Theory of Motivation.

The audiences at the seminars were drawn from graduate schools of business, colleges of engineering, national institutes of labor, and staff of Productivity Centers. The tour took him to nine cities in India, Nepal, Thailand, Indonesia, Singapore, and Saigon. Two days were spent in the Mekong Delta, and two in the Central Highlands, obviously before military conditions changed there. He was also two days in Manila and conducted a seminar in Hong Kong.

Experiences of a professional and personal nature were, Dr. Dubin says, both exciting and enlightening, but wherever he went he found a welcome and a genuine desire to learn.



Dejaiffe feted at retirement dinner

A "dedicated teacher" is applied over and over to Ernest DeJaiffe (in the middle in photo above), and the appreciation related to the 18 years he taught math in the Altoona High School and the 23 years in general engineering at the Altoona Campus. So when the Altoona Campus held a retirement party for him in May, it was natural that the talk about him covered his teaching career, including the fact that he taught in the War Manpower Training Program in the 1940s, was instrumental in developing the first associate degree curricula in engineering technology at what was then the Altoona Undergraduate Center, Inc. They presented him with several gifts, including a miniature Nittany Lion being given in photo by Robert M. Blackston, chairman of the faculty senate, and Dr. Altheen Stere (left), past chairman of the senate. At Ernest's left is his wife Rena, and at far right is Ernest B. Weinbaum, assistant dean of the College of Engineering. DeJaiffe was the first person to attain the rank of professor in the Commonwealth Campus system when he was promoted in 1967. He started as instructor in 1953, although in 1948-49 he taught engineering drawing for two semesters. A 1933 Penn State graduate in civil engineering, he received an M.S. in industrial education in 1947. He had earlier received a teaching certificate through study at Juniata College. In Altoona, he served as resident engineer in summers for a number of years, and was very active in community affairs.

Retirements

Dr. Donald V. Josephson, professor and head of the Department of Dairy Science, who first came to Penn State in 1935 to work for his master's degree, returned after working in industry to earn his doctor's degree, left again to serve on the Ohio State faculty from 1945 to 1948, returned finally to remain on the faculty for 27 years, will retire with emeritus rank June 30.

A native of Minnesota and a graduate of the University of Minnesota, Dr. Josephson will return there to live on the farm pioneered by his grandparents.

In addition to serving as department head, Dr. Josephson was the first chairman, and is the current chairman, of the Division of Food Science and Industry established in the College of Agriculture in 1966. He has served on a variety of committees in his 26 years on the University Faculty Senate and he also serves on the University Council. In research, he has studied the quality and flavor of dairy products and dealt with world food problems. He has been given many awards, including the American Dairy Science Association's highest honor and the American Chemical Society's Borden Award for Dairy Chemistry. He has been very active in professional societies, including the highest offices of the American Dairy Science Association. He is a Fellow of the American Association for the Advancement of Science.

Wesley P. Winter, associate professor of industrial engineering, has been honored by the Foundry Educational Foundation which established a scholarship in his name to be awarded to a Penn State student this fall. Winter is retiring June 30 after 28 years on the industrial engineering faculty, and for many of those years he was secretary-treasurer of the student chapter of the FEF, which is an educational group encouraging technical students to become interested in the industry, through scholarships and technical courses.

Winter's associations with Penn State are close; he is a State College native and he received both bachelor's and master's degrees from the University. He was gone from here in 1935-47 to teach in a Connecticut high school, but returned as an instructor, to remain.

Aside from teaching, especially in metal casting courses, he has participated in small industry research and has helped set up and conduct workshops and seminars in such areas as maintenance management and programs related to Occupational Safety and Health Act.

Richard N. Diller, associate professor of psychology and member of the Management Development staff of Continuing Education, will retire June 30 with nearly 25 years of service. A graduate of Millersville State College with a master's degree in education from Penn State, Diller took other advanced work at Temple University

and studied classical voice at the National Conservatory of Music, Paris, France; the Russian Conservatory of Music, also in Paris; and the Conservatory of Music, at Marseilles. In his Management Development position, he was involved in management analysis, curriculum construction, lecturing, leading conferences and workshops, and evaluating management programs. He has served a great many companies principally in Southeastern Pennsylvania as consultant, lecturer, and conference leader on subjects such as human relations, industrial communications, employee selection and training, and employee and personnel methods.

Dr. Preston C. Hammer, professor of computer science, who for the past year has been on leave at Grand Valley State College of Allendale, Mich., will retire June 30, after ten years on the faculty. He came to Penn State as professor and first head of the new computer science department in 1965, having served previously at the University of Wisconsin, Los Alamos Scientific Laboratory, the University of California, Lockheed Aircraft Corp., Oregon State College, and the University of Michigan. He left the administrative post in 1973 to give full time to research and teaching.

Dr. Hugo Ribeiro, professor of mathematics, plans to return to his native Portugal to continue to do research and teach at the University of Porto, when he retires June 30 with emeritus rank.

A member of the Penn State faculty since 1961, Dr. Ribeiro held posts previously at the University of Nebraska and at Berkeley. As a specialist in mathematical logic, he served as a visiting lecturer for the Mathematical Association of America in 1962-63 and 1963-64.

A 1931 graduate of the University of Lisbon, he received the doctoral degree from the Swiss Federal Institute of Technology. He speaks five languages and has written papers on mathematical topics in most of them. He was co-founder of the Mathematical Society of Portugal and of its journal.

Dr. H. Clark Dalton, professor of biology, a member of the faculty since 1967, will retire August 15 with the rank of professor emeritus, to move with his wife to the island of Kauai, Hawaii, continuing his interests in all aspects of natural history.

A graduate of Wesleyan University, which also granted him the master's degree, Dr. Dalton earned the Ph.D. at Stanford University. He taught at Bates College, Brown University, and the University of Rochester before joining the faculty of New York University where he served for 17 years prior to coming to Penn State.

Dr. Dalton's research has been directed toward the area of gene control development, and he has studied the effect of mutant genes on the development of pigment cells in salamanders.

Staff vacancies

University faculty or staff members who are interested in any of the staff exempt or staff non-exempt jobs listed below may apply by calling Employment Division, 865-1387 (Network Line 475-1387). Do not contact the area having the vacancy. Applications will be accepted until 5 p.m.

JUNE 25, 1975

GRAPHIC ARTIST, COLLEGE OF EDUCATION — University Park

Responsible to the Manager of Operations, Computer Assisted Laboratory, for the design, construction of art and lettering in the production of visual aids and displays, as requested. Associate degree, a graduate of a two year program with an art or graphic arts background, and over one year of experience in any of the above fields. Knowledge of audio-visual aids and techniques is helpful.

ASSISTANT AREA COORDINATOR — Behind College

Responsible to the Dean of Student Affairs through the Assistant to the Dean of Student Affairs, Community Coordinator for assisting in carrying out the mission of the Office of Student Affairs by providing administrative, educational, cultural, and personal services to the total student body. Requires a bachelor's degree, or equivalent, in college student personnel or related field of study or Bachelor's degree, or equivalent, in relevant undergraduate major with at least one year of residence hall supervisor experience.

GRAPHIC ARTIST — Hershey Medical Center

Responsible to the Department Head of Medical Illustration for the design and production of graphics as requested by clients. Associate degree or equivalent, from an art or drafting trade school and one to two years of directly related experience.

SENIOR INSTRUCTIONAL SERVICES SPECIALIST — Fayette Campus

Responsible to the Assistant Director for Resident Instruction to provide and encourage the use of a wide range of instructional materials by faculty, students, and staff, to evaluate and implement innovations and instructional methods and media; and to provide input concerning instructional media for a long-range planning. Requires a Bachelor's degree or equivalent preferably in education, instructional media, and work progressing toward a Master's degree, with at least two years directly related experience. Supervisory experience highly desirable.

ASSISTANT TO THE DEAN OF STUDENT AFFAIRS — Altoona Campus

Responsible to the Dean of Student Affairs for the area of student activities and chapel programming. Responsible for Union Building scheduling and advising student union board. Master's degree, or equivalent, in Student Personnel or Counselor Education or related field with one to two years of directly related experience.

In addition to the above vacancies, there are positions that frequently are available because of the number of employees in them. They are listed below and will not be listed on an individual vacancy basis. Applications for such positions may be made at any time and you are welcome to make your interests known now to the Employment Division for future consideration when vacancies occur.

These positions are:

Resident Hall Coordinator, Student Affairs — University Park.

Assistant Coordinator, Student Affairs — University Park.

The University is an Equal Opportunity Employer.

Employment of minors policy

It is especially important at this time of year to keep in mind the state and federal regulations and the University policy on the employment of minors.

The law defines a minor, for employment purposes, as anyone under 18 who has not been graduated from high school. (There is an exception to this. If the chief administrator of the school district determines that an individual under age 18 has attained his or her academic potential and declares that a high school graduation is not required, that person no longer is considered a minor for purposes of employment.)

University policy (PS-2, Employment of Minors) a person under 16 years of age is not permitted to work for the University under any circumstances. In addition, by law, no minor age 16 or 17 may be employed by the University, even for one hour, unless he or she obtains a certificate of employment (commonly called "working papers").

The certificate of employment is issued by the public school authority in which the minor resides. (Certain special arrangements for obtaining certificates can be made for minors who attended school a long distance from the area in which they are being employed). The employment certificate must be on file in the University's Employment Office (or appropriate business or personnel office at facilities away from University Park) before a minor begins to work. The certificate is issued for a specific job, and a minor cannot be transferred from one job to another unless a new certificate is obtained for a new job. Also, the Employment Division must be notified when the minor terminates, so that the certificate can be returned to the issuing school district.

Where there is any doubt about the age of an applicant for a position, the applicant must submit a proof of age card. This card is also issued by the minor's school district.

Please refer to policy PS-2 if you are contemplating employing a minor. Any questions concerning the policy or the employment certificate procedure should be directed to the Employment Division 865-1387 (Network number 475-1387).

PENN STATE intercom

Volume 4, Number 41

June 26, 1975

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

Senate bill would cut research

Senate Bill 771, as introduced in the Legislature last week, would provide \$101,662,000 as the appropriation for the University for the 12-month fiscal year, 1975-76. The amount is the same as that recommended in the Governor's budget for the 12-month fiscal year.

In the appropriations bill, introduced by Sen. Henry J. Cianfrani, chairman of the Senate Appropriations Committee, funds for Research are listed as \$15,361,000, an amount below the \$17,064,000 appropriated for research during the current year. In his budget, the Governor had recommended \$13,651,000 for research, a drastic 20 per cent cut from the amount appropriated last year and an amount far below the \$20,549,000 that had been requested by the University.

The sharp cut in research funds recommended by the Governor is viewed as critical by University administrators, especially at this time when the needs for research to help solve many pressing problems are most demanding.

The appropriations bill, in addition to listing \$15,361,000 for Research, includes \$72,250,000 for Instruction, excluding medical programs; \$1,760,000 for Student Aid; \$9,626,000 for Extension and Public Service; and \$2,665,000 for Medical Programs. The amounts for Instruction and Extension and Public Service in the appropriations bill are reduced from the amounts recommended by the Governor to make possible the Research increase in the appropriations bill.

The appropriations bill also calls for a mandatory 5 per cent reduction in faculty and administrative staff and would abolish programs of tuition remission for employees of the University.

Following introduction of the bill, President Oswald sent a letter to each member of the Senate urging removal of the language requiring the 5 per cent reduction of personnel and also directing discontinuance of tuition reduction for employees.

There were later indications that both provisions would be eliminated from the bill, and State Sen. Joseph S. Ammerman, of Curwensville, was reported to have said that in all probability the research funds would be increased to the 1974-75 level, on his recommendation, in committee.

Interim Affirmative Action plan is sought

University officials are hopeful that a satisfactory Interim Affirmative Action Plan can be agreed upon this week after they learned the plan filed last November with the Department of Health, Education, and Welfare had not been approved.

Dr. Russell E. Larson, provost, after a meeting on June 19 with Deway E. Dodds, director of Region III, Office for Civil Rights, said work will start immediately on analyzing and responding to the entirely new and additional guideline requirements now being imposed upon the University by the Office for Civil Rights. The awarding of Federal contracts to the University depends on the acceptance of an Affirmative Action Plan.

The Thursday meeting followed receipt on Wednesday of a "show cause" letter which alleges the University has not met all of the requirements of an acceptable Affirmative Action Program and asks the University to show cause as to why Federal contracts should not be withheld.

The letter threatens the signing of a

\$2.8 million Federal contract for coal research with the Energy Research and Development Administration, scheduled to be executed on June 27, 1975.

President Oswald had filed the University Affirmative Action Plan on Nov. 15, 1974, with an understanding from the Philadelphia regional office that a reply could be expected by Jan. 15, 1975. A letter of Jan. 4, 1975, from the regional office advised that they considered the plan to be "quite adequate" but that more time would be required to review the entire plan, consisting of three volumes. Through a public news release on June 15, 1975, it was learned that the plan had not been accepted. Immediate arrangements were then made with Mr. Dodds to meet with University officials to outline the additional guidelines now essential to the plan.

Although the Philadelphia regional office makes clear that their "determination" should not be interpreted to imply any lack of good faith on the part of University officials," the added requirement

A total of \$4,431 given this year

Hershey cancer fund aids four families

The Four Diamonds Fund has awarded grants totalling \$4,431 to four families of children who have been treated for cancer at The Milton S. Hershey Medical Center.

Dr. D. Lee Backenstose, regional chairman of the fund, said that the grants were allocated to families living in Centre, Cumberland, Lebanon, and Schuylkill Counties, and raise the total allocated from the fund to \$14,531 to 15 families. To date, he noted, 112 young persons from 21 Pennsylvania Counties have received treatment for leukemia or other cancers at the Medical Center.

The allocations ranged from \$733 to \$1,570 and were used to reduce out-of-pocket costs for medical care not covered by insurance. Two of the families had been assisted by previous allocations.

"This emphasizes the long-term continuing kind of expensive patient care that most of these families face as they try to be self-supporting," Dr. Backenstose said. The Four Diamonds Fund was established in 1973 at the Medical Center by the University for the purpose of providing relief from the extraordinary financial burdens for families of children with cancer.

It was suggested by Mr. and Mrs. Charles L. Millard of Elizabethtown whose son, Christopher, died of cancer in December 1972. Through the interest and support of his parents, relatives, and friends, the fund was started.

The name of the fund was the title of an essay Chris wrote for an eighth grade English class. In it, he symbolically describes a young man's characteristics of courage, wisdom, honesty and strength in his fight for survival.

Support for the Four Diamonds Fund comes from private contributions, profits from special programs such as concerts, bake sales and athletic events conducted by church, school, and civic groups and from gifts in memoriam. Gifts are processed and the fund is coordinated by the office of gifts and endowments at the Medical Center.

Persons interested in fund raising activities or in contributing directly to the Four Diamonds Fund should contact the office of gifts and endowments at the Medical Center, 717 534-8497.

Dr. Backenstose cited some details about the new recipients. One of the recent grants is to a mother who supports three children on approximately \$4,100 per year, with numerous bills to loan companies, rent and other household expenses. Her child, a leukemia patient, is not currently covered by insurance, has an account at the Medical Center of \$900 and each outpatient visit increases her bill regularly.

Another child who died of leukemia last year was hospitalized several times. The family had insurance, yet owed over \$1,500 on their account. The Four Diamonds allocation paid the remaining bill.

The Fund also paid the remaining bill for one child who had been admitted as a leukemia patient eight times within three years prior to his death. In December, the Fund contributed \$1,500 toward the outstanding account.

A \$1,227 allocation eliminated the debt of another family whose child died of cancer. Her mother and step-father are both employed as factory workers, and owe money for a mortgage, car and household payments, in addition to a cemetery plot.

Alumni return for taste of college

It's a dream come true for those "old grads" who have wished they could recapture their college days — Penn State is offering its alumni the chance to return to their alma mater July 13-19 for a taste of college life a la 1975.

The University's inaugural Alumni Vacation College will offer "a learning experience without the exams" to approximately 120 alumni — ranging from members of the Class of 1921 to students graduated in the 1970s — who have registered during the past few months. And many alumni are bringing their families to live in the residence halls with them.

The main feature of the Vacation College will be classes taught by University faculty members. The subjects will include science and technology, sleep and dreams, the American family, and drama.

(Continued on page four)

News in Brief

ROTC AT CAPITOL CAMPUS

Beginning the fall semester, Capitol Campus will offer an ROTC program for the first time in the nine-year history of the school. In the last few years Capitol students have been participating in the ROTC offered at Dickinson College.

VISITOR

Dr. Brian E. Launder, reader in fluid mechanics at the Imperial College of Science and Technology, London, England, is spending five months as a visiting professor in the Department of Mechanical Engineering at the University. During his stay at the University, Dr. Launder is working with Dr. John L. Lumley, Evan Pugh professor of aerospace engineering, on developing models of turbulence, and with Dr.

Frank W. Schmidt, professor of mechanical engineering, on numerical methods for recirculating. He also is teaching a graduate course in turbulence modeling during the Summer Term.

FOOTBALL TELEVISION

You can order tickets now for two closed-circuit television broadcasts of Penn State football games next fall — Ohio State on Sept. 20 and Iowa on Sept. 27. Athletic Department officials announced the plan to show the games in Recreation Bldg. on those days, after the television network broadcasting college football games revealed its 1975 schedule, omitting both from their lineup.

The showings in Rec Hall will be on a wide screen, presented in cooperation with Total Communications, of Pittsburgh. All seats are unreserved.

Tickets may be ordered through the

Penn State Ticket Office, 237 Recreation Bldg., University Park, Pa. 16802. They are priced at \$13 for the two games for the general public and \$10 for Penn State students; mail orders should include \$1 for mailing and handling charge, and checks should be made out to "Penn State University."

GOLF LESSONS

A golf clinic for boys and girls will be conducted by Penn State golf coach Joseph Boyle, at the Blue Golf Course, starting during the first week in July. Please call the Blue course pro shop, 865-7462, for more information.

HUB FOOD SERVICE

Food service at the Hetzel Union Bldg. will be closed down after dinner July 3 until breakfast Monday, July 7.

(Continued on page three)

Eugene Myers, Walter Ferree to retire

Dr. Eugene A. Myers will retire as emeritus professor of economics July 1 after serving on the faculty for 28 years. A native of Lebanon, he came to this country at age 11, attending school in Latrobe. He was graduated from the University of Pittsburgh with a B.A. degree and also obtained advanced degrees from Pitt, where he was an instructor for four years. He joined the Penn State faculty in 1947 after serving during World War II in the Office of Price Administration, the National War Labor Board, the Wage Stabilization Board,

and the Office of Housing Expeditor. He has served as a labor arbitrator and fact-finder and is an authority on labor economics and fiscal policy. He is the author of "Wage and Collective Bargaining Theory: a Bibliography." He has always maintained an interest in Arabic culture, and is author of the book, "Arabic Thought and the Western World." He was instrumental in helping to establish the Middle East Option in the College of the Liberal Arts and to promote the study of foreign languages.

Dr. Walter L. Ferree, professor of American history at the Ogoniz Campus, will retire July 1 with the rank of professor emeritus of American history. He has served as a member of the Ogoniz Campus faculty for 24 years and previously had taught at the former Penn State center in Swarthmore and in the Ridley Park School District. A specialist in the middle period of American history, Dr. Ferree has been engaged since 1969 in collecting and accessioning the papers and documents of Martin Van Buren, eighth president of the United States. "The Papers of Martin Van Buren" will be published in letterpress editions by The Pennsylvania State University Press and are expected to run to 25 volumes. To date over 12,000 copies of Van Buren documents have been acquired from more than 250 sources. Still to be accessioned is the bulk of materials housed in the National Archives. Overall, the microfilm edition of the papers will fill approximately 75 reels of 35 mm microfilm. He is the author of "Barbours and Hunkers: The New York Democracy, 1846-50," which is soon to be published by the University of Kentucky Press. A native of Oak Hall Station, Dr. Ferree attended high school in State College and



Dr. W. L. Ferree

earned both bachelor's and master's degrees at Penn State. He received his doctorate from the University of Pennsylvania.

Faculty notes

Dr. William Bradley, associate professor of art education, has been invited to present a paper at the 22nd World Congress of La Societe Internationale Pour L'Education Artistique, in Paris July 7-12. His paper, a report of research with the deaf, retarded, and addicted regarding the relation between learning, self-image construction, and aesthetic development, is titled "Leisure and Self-Image."

Dr. Robert W. Olt, assistant professor of art education, currently on leave for post-doctoral study at the Institute of Education of the University of London, England, has given two lectures at the University, the first on his research on art museum education programs and the second on "Art Education in the U.S.A.: Innovations at The Pennsylvania State University." He has been doing field research education at the Tate Gallery, the Victoria and Albert Museum, and the National Portrait Gallery.

Dr. S. M. Farouq Ali, professor of petroleum and natural gas engineering, will give an intensive course in Russian on "Oil Recovery by Thermal Methods and Their Mathematical Simulation" while visiting the Petroleum and Chemical Institute of Azerbaijan, in Baku, this fall. Thermal oil recovery methods have been the subject of research at Penn State for many years, but such methods were first employed in Azerbaijan in the 1930s and are being used extensively in the U.S., Canada, and Venezuela now.

Dr. George W. Brindley, professor emeritus of mineral sciences, will give a series of lectures on the subject of clay mineralogy in Brazil recently while on a month-long series of lectures, field trips, and laboratory visits. His clay mineralogy lectures were given at a symposium sponsored by Sudene, an organization for the development of the northeast provinces of Brazil. He was honored by the Brazilian Ceramic Association, of which he is the only non-member, for his contributions to the study of Brazilian clay minerals.

Dr. Norman Freed, associate professor of physics, will do research in the field of intermediate energy nuclear theory and

lecture while in Denmark and Sweden in August. He will be at the Niels Bohr Institute, University of Copenhagen, and at the Institute of Theoretical Physics, University of Lund, and the Royal Institute of Technology, Stockholm.

Dr. Joseph Paternost, associate professor of Slavic languages, and **Dr. William R. Schmalstieg**, head of the department, will do summer study in Yugoslavia as the result of receiving American Council of Learned Societies grants. Dr. Paternost will do research in the Croatian language, Dr. Schmalstieg in Slovene.

Dr. Stuart Patton, Evan Pugh Professor of Agriculture, lectured on "The Milk Fat Globule as a Model in Membrane Lipid Research" at the Eighth Scandinavian Lipids Symposium, June 8-11, in Helsinki, Finland. The symposium was sponsored by Scandinavian universities and industries concerned with oils, fats, and lipids, and Dr. Patton was one of two U.S. scientists to attend.

Dr. Sam Zamrik, associate professor of engineering mechanics, is attending the Fourth Inter-American Conference on Materials Technology in La Guaira, Venezuela (June 29-July 4) to present a paper on "The Application of Fracture Mechanics Analysis to Crack Growth Rate in a Biaxial Stress Field." Sponsors of the meeting include A.I.D. and the Organization of American States, and it brings together specialists in the field of materials research, development, and education.

Dr. Ronald Glaser, associate professor of microbiology at Hershey Medical Center, has been named a Fellow of the Franco-American Scientific Exchange Program, sponsored jointly by the Fogarty International Center at the National Institutes of Health and the Institut National de la Sante et de la Recherche Medicale. Dr. Glaser will work July 1 through September 30 of this year with Dr. Guy de The, chief of the unit of biological carcinogenesis at the International Agency for Research in Cancer in Lyon, France. The agency is a branch of the World Health Organization and Dr. de The is an internationally known cancer epidemiologist. Dr. Glaser will be studying the role of the Epstein-Barr virus in the development of naso-pharyngeal carcinoma tumors.



Service award for Prof. Paterno

Joseph V. Paterno, was a recent graduate of Brown University, with an A.B. in English literature, when he came to Penn State as an instructor and as assistant to head football coach Charles A. "Big" Engel, in May, 1950. His aim, then, was to try football coaching for a few years, with the alternative of heading for law school if he didn't like coaching. Recently Dr. Robert J. Scannell, dean of the College of Health, Physical Education and Athletics, and Joe took a few minutes out of busy schedules for a milestone photograph, one of many Paternos has had, but to him a very significant one, too — his 25-Year Service Award. The photographer couldn't begin to get into the picture all of the trophies Paterno has earned or his teams, so they settled for one of the Cotton Bowl statues, along with the Service Award Plaque. Paterno's football coaching success needs no rehashing; he has to his credit many equally noteworthy accomplishments outside the athletic field, and especially in the matter of helping youth in a variety of ways. Certainly one of his high points in 25 years was in serving as Commencement Exercises speaker in June, 1973. Another was his promotion to full professor in 1969.



Retirements

Janelle M. Burns, associate professor of speech at the DuBois campus, was given a retirement farewell dinner by faculty and staff of the Campus when Donald S. Hiller, director, expressed his appreciation for her 16 years of University service at DuBois and three years at the Altoona Campus. In all, she has been a teacher for 44 years, including 12½ at Slippery Rock State College, 7½ years at State College High School, and five years at Youngsview High School in Warren County. She received both bachelor's and master's degrees from Penn State and in her career has taught English, speech, Spanish, theatre and arts. At DuBois she has worked closely with the students in extracurricular projects and was responsible for developing and guiding the Mansion Readers, who did literary and dramatic readings of many kind. During the past year, she has been writing a history of theatre at Penn State from 1920 to the present, to be published this year by the College of Arts and Architecture which provided her with a grant for the project.

Honors

Barbara L. Bleau (Mrs. Max Bleau), assistant professor of mathematics at Capitol Campus, was presented with the fourth annual James A. Jordan Jr. Memorial Award for Teaching Excellence at Capitol Campus commencement exercises June 8. The award was established in memory of Dr. James A. Jordan, Jr., a member of the faculty who died in a boating accident in 1971.

Mrs. Bleau has been at Capitol Campus since 1972, and previously had taught at Baldwin-Wallace College, Marshall (W.Va.) University, and in high schools. She is a native of Ohio and was graduated from Ohio Wesleyan University, receiving a master's degree in mathematics and education from Case-Western Reserve University. She has also done graduate work at the University of Illinois.

Her name will be inscribed on a plaque, along with those of previous winners, which was designed by Oliver LaGrone and which has a bust of Dr. Jordan.

A lithograph created by Linda Plotkin, assistant professor of art at the University, under a grant from the Institute for the Arts and Humanistic Studies at Penn State, has been awarded a purchase prize in the Invitational Exhibition of American Graphics at Hope College, Holland, Michigan. The print, titled "In-

HOTLINE

Have a suggestion on how to save energy at the University? Then call the "Energy Conservation Hotline," — 855-1117 — any time of the day or night, any day of the week. But use the Hotline for making suggestions to save energy, not for registering complaints about problems.

tersection," also was selected for inclusion in the Miami Graphics Biennial, Miami, Fla.; the Ninth Dulin National Print and Drawing Competition, Knoxville, Tenn., and the LaGrange National Print Competition, LaGrange, Ga.

Dr. James V. Biggers, assistant professor of ceramic science, has been named a Fellow of the American Ceramic Society, one of 28 new fellows honored at the annual meeting of the Society in Washington, D.C., recently. He has been a member of the Penn State faculty since 1969.

Dr. Joseph L. French, professor and head of the Department of Special Education, has been elected president-elect of the Pennsylvania Psychological Association, to assume the presidency next year at the convention of the Association in Hershey.

Dr. Stanley O. Kenberny, senior vice president for University Development and relations and professor of education, was initiated into the national scholastic honor society, Phi Kappa Phi, at the annual initiation banquet of the Society recently. He was speaker at the banquet, attended by 581 students who were also initiated.

Porter W. McDonnell, professor of engineering at Mont Alto Campus, has been made a lifetime honorary member of the Southwest Chapter, Pennsylvania Society of Land Surveyors. The honor was given in recognition of his service to the Society, which includes editing the Society's newsletter, since its inception, and authoring a manual, "Simplified Tables for the Pennsylvania Coordinate System." He is head of the Surveying Technology Program at Mont Alto.



Penn State artists Robert Fisher, Dorothy Rennie and George Zorelich (left to right) display the works they have donated to the Central Pennsylvania Festival of the Arts raffle, to be held July 20.

Faculty donates work for arts raffle

Three University faculty members have contributed works of art to be awarded in the Arts Raffle sponsored by the Central Pennsylvania Festival of the Arts on Sunday, July 20.

George S. Zorelich, professor of art, has donated an abstract watercolor, which he calls "Landscape," done in tones of purples and gold. Zorelich, who has exhibited widely in both one-man and group shows across the country, is a long-time faculty member. He taught at the DuBois Campus from 1946 to 1950 and has been at University Park since 1952.

Dorothy Rennie's pencil drawing, "Chameleon Chant," explores the aspects of women's personalities revealed by dancers in the work of that name which was com-

missioned for last summer's Festival. Rennie has taught art at the University Park and DuBois Campuses as well as in the Continuing Education program.

A visiting lecturer and artist-in-residence at Penn State, sculptor Robert Fisher created "Electric Flower," a lighted fiber glass and plexiglass blossom especially for the Festival Art Raffle. He is perhaps best known locally for his sculptured fountain on the Lock Haven State College campus and for his "Papilio-icarus," a large fiber glass and plastic resin figure.

Tickets for the drawing will be available at State College stores in advance of the Festival and at a booth on the Mall from July 17 through 20.

WPXS Highlights

Monday, June 30 — "Vaudville, in the story of 'Rico Le Cubano,'" is the PBS Special of the Week, at 8 p.m. Sal in Cuba, the show features music of German composer Hans Werner Henze.

Monday, June 30 — "The Bicentennial in Pennsylvania," is a discussion by Dr. Frederick R. Mason, professor of archaeology, and Dr. John Fronts, associate professor of history. Also televised Tuesday, July 1, at 3 p.m. and Saturday, July 5, at 1:30 p.m.

Tuesday, July 1 — "Special one-hour program, 'In Search of a Maestro,'" follows the twenty young conductors in the Baltimore Symphony competition through a series of written tests and performances with his orchestra, at 7 p.m.

Tuesday, July 1 — "Music at Penn State" features the Hi-Los, on a copolla of the Penn State Glee Club, at 8:30 p.m.

Wednesday, July 2 — An hour-length documentary on "Notes on a Community Hospital," looks at the operations of the Lewistown Community Hospital, at 9 p.m.

HUB Specials

Monday, June 30 — Lunch, seafood paella with hot sauce, \$1.19; dinner, beef stew, \$1.69.

Tuesday, July 1 — Lunch, barbecue on a bun, \$1.85; dinner, spaghetti with meat balls, \$1.39.

Wednesday, July 2 — Lunch, Teriyaki Beef Burger and soup, \$1.40; dinner, corned beef with cabbage, \$1.49.

Thursday, July 3 — Lunch, lasagne, \$1.30; dinner, beef bordelaise, \$1.39.

Closed July 4 & 5; reopen July 7.

ALUMNI —

(Continued from page one)

A special course, "Imparting — the Arts of Man," will give student-alumni an opportunity to try their luck at painting, sketching, and film making. All classes will be followed by formal and informal discussions.

Throughout the "term," University and regional recreational facilities will be open to participants and their families, and the dates of the Vacation College coincide with the Central Pennsylvania Festival of the Arts, held at State College and University Park, and the Summer Festival of the American Theatre, held at the University.

A complete program for the children, including participation in appropriate classes for the older children, is planned. A professionally staffed nursery school will be provided for younger children.

The Vacation College will begin with a reception hosted by President and Mrs. John W. Oswald. The Penn State Alumni Association is sponsoring the week's events.

He learned to cook in mother's kitchen

Chinese cookbooks displayed

The entire main lobby of the Patten Library is currently Oriental in keeping with the Chinese furniture in the adjacent Penn State room. Six display cases are filled with 100 cookbooks and magazine articles chiefly on Chinese cooking for Americans, from the collection of Dr. Alfred R. Bobrowsky, who is senior research associate in the Materials Research Laboratory.

The exhibit is titled "Mostly Chinese Cookbooks" because there are one or two books on Japanese cooking also. Two or three books are in Chinese only, such as "100 Chinese Snacks," but several are in both Chinese and English. One book with facing pages in English and Japanese is intended to tell Japanese housewives how to cook Western style dishes.

Mingled among the books are Chinese foods such as dried shrimp, Szechuan peppers (not as hot as chili peppers, Dr. Bobrowsky informs us), and tree ears. There are also displayed labels from containers of Chinese food, as well as Chinese cooking and eating utensils.

In keeping with modern trends, there are publications on health foods, on vegetarian Chinese cooking, and on weight-loss diets with Chinese food ("Fast must go with Wok and Wo").

Dr. Bobrowsky is an amateur chef with strong interests especially in Chinese gas-

tronomy. He prepares meals for groups of friends chiefly, and in April, 1973, outdid himself by preparing a 40-dish meal to accompany a talk to 35 members of the Lemont Women's Club. Nine women assisted in the preparation. His talent springs from a childhood in the occasional kitchen company of his mother who thought nothing of preparing a different main dish (Western style) for each member of the family at dinner.

Dr. Bobrowsky is emphatic that he is an epicure, not a gourmet. "An epicure is someone who eats the best food available at the moment even if it is a fast-food hamburger, but a gourmet will starve rather than eat mediocre food," he says.

Through the Faculty Resource List, he offers a talk entitled "Chinese Restaurants, Cookery, and Some Food Customs in the U.S.A.". Elsewhere, he was offered "Chinese Cooking and Eating for America Males (Females Welcome)" because "... Chinese males make a strong interest in food. It is not uncommon to find more males than females as customers in a Chinese grocery store." And, he does comparison shopping before buying in Chinese groceries in the larger cities.

The covers of the cookbooks on exhibit show a variety of colorful cooked dishes. One book written by a Chinese chef in Japan shows what appears to be a plate with a beautiful bird in full plumage as part of the ceramic material of the plate; on close examination the bird is seen to be made of food, as are the branches and flowers which are part of its background. Another book, also by a chef in Japan but written on Chinese food, displays a stylized dragonfly made only from red radish and green cucumber.

Chinese food is the most popular food, next to American food, in the U.S.A. New York City alone has 3,000 Chinese eating places (one book in the exhibit is only on Chinese restaurants in New York City). It also includes "noodle shops," equivalent to coffee shops in Europe, where one can dawdle over coffee and the few interesting food offerings which are the specialty of any one noodle shop. Different from the noodle shops are places serving "dim sum," snacks such as dumplings, beef suet, steamed dough balls with meat filling, and meats which are eaten in mid-morning.

"Chinese food takes on the character of the country where it is served," says Dr. Bobrowsky. "In Johannesburg, where many shopkeepers are of East Indian descent, the Chinese dishes have curry in them. In London, one can find both the most tasteless Chinese food and food more Oriental than in the U.S.A. The cookbooks of the country reflect that country's alterations to Chinese cuisine."

Press issues book on Ben Franklin

"Benjamin Franklin and the Zealous Presbyterians" by Melvin H. Bauxbaum is the latest publication of The Pennsylvania State University Press.

The book traces Franklin's half century of controversy with the Calvinists, his evolution from a teenage pamphleteer lampooning the New England clergy to a letter written at age 73 urging his grandson's education "for a Presbyterian as well as a republican."

Along the way, Dr. Bauxbaum, a member of the English Department of Baruch College, reveals two sides of Franklin. On the one hand, there is the promoter conveying positive images of himself and his nation as models of toleration in the "Autobiography." On the other is the polemicist, inveighing against alleged offenses of the American Calvinist Establishment.

In his pre-1776 years, Franklin, an Enlightenment devotee, was deeply mistrustful of Presbyterian zeal, engaging in overt religious-political hostility among Presbyterians, Anglicans and Quakers. As elder statesman of the Revolution, he became converted to the use of zeal, including the Calvinist variety.

An organ arrives for Auditorium



The Penn State Class of 1950 has presented the University with a portable organ, for use in the University Auditorium, and William Allison, representing the Auditorium management, left, and June Miller, organist and associate professor of music, were on hand to receive the gift from class representative John Domagala, right. The organ, to be used in performances of chamber music and in religious services, can be wheeled from storage to stage. It is a Holtkamp organ, seven feet in height, with an oak case.

PENN STATE intercom

Volume 4, Number 42

July 3, 1975

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

Calendar

July 3-13, 1975

SPECIAL EVENTS

Thursday-Friday, July 3-4 — PSU Tennis Club Tournament, varsity tennis courts.
Sunday, July 6 — Interlandia Folk Dance Club, 7:30 p.m., HUB terrace (ballroom if rain).
Friday, July 11 — Commonsplace Coffee-house, 8 p.m., Room 102 Kern.
Friday-Saturday, July 11-12 — Penn State Festival Theatre, "Wonderful Town," 8 p.m., Playhouse Theatre.
Sunday, July 13 — Black Christian Fellowship service, 11:15 a.m., Eisenhower Chapel.

Films

Wednesday, July 9 — Commonsplace Theatre, "Putney Swope," 7:30 and 9:30 p.m., Room 112 Kern.
Thursday-Sunday, July 10-13 — ARHS film "The Paper Chase," 8 and 10 p.m., Findlay Rec Room.

OFFICIAL

Friday, July 4 — Independence Day recess. No classes; ten week program classes will be made up Wednesday, August 20.
Wednesday, July 9 — Registration for six week Summer Term, lobby of Shields.
Thursday-Tuesday, July 10-15 — Add period for six week Summer Term.
Thursday, July 10-Tuesday, July 22 — Drop period for six week Summer Term.

EXHIBITS

Museum of Art — Linda Plotkin, "Bellonie Counthouse: Evolution of a Print," Gallery A. Twenty paintings on wood panels from Allentown Museum of Art Samuel H. Kress Collection, Gallery C. Selections from the Permanent Collection, Gallery C. Central Pennsylvania Arts Festival Juried Crafts Exhibition, opening July 10, Gallery B.
Kern Gallery — Central Pennsylvania Festival of the Arts Juried Art Exhibition. Emerson and Roslyn Horze, Navajo and Hopi Indian jewelry, Functional and non-functional ceramics by Jean Stevens-Sollman and Toshiko Fukuyama.
Zoller Gallery — Central Pennsylvania Festival of the Arts Invitational Art Exhibition, opening July 12.
Chambers Gallery — Betsy Suhey and Virginia Kopacz, metalwork and jewelry, opening June 30.
HUB Gallery — Renaissance Gallery Crafts Display, until July 11.
Hammond Gallery — Architectural Engineering student work, models, drawings, and award-winning thesis projects, until July 12.

Reach agreement

An agreement between the University and the Office of Civil Rights which would release a hold on the completion of a \$2.6 million contract for coal research, to be funded by the Energy Research and Development Administration, was signed June 24 by President Oswald, and forwarded to the regional office of the Office for Civil Rights, Philadelphia.

In the short-form agreement signed last week, it is agreed that the Office for Civil Rights will provide further guidelines for a revised Affirmative Action plan; after University and Office of Civil Rights personnel again meet to discuss the new guidelines, there will be a 30-day period until a deadline for completion of the plan, the period to be negotiable; and that in signing the agreement, the University has not waived any rights to raise objection to the authority of the Office for Civil Rights to require specific corrective actions.

REQUIRED TRAVEL ASSISTANCE

To help reduce the cost of required travel by University personnel, the Purchasing Department investigated discount rates to motels across the country and found some major chains who offer a discount upon presentation of a "preferred card" or University identification. Local motels may also offer special rates but each has its own policy.

The Purchasing Department has limited information and "preferred rate cards" of staff members who travel on University business are interested. Please call 865-7561 and ask for Joan Everhart.

PHONE CHANGE

The Pennsylvania Network telephone number for the Hazleton Campus was changed recently; the new number is 486-2285. This Network is a special system which connects state government offices, along with state colleges and Penn State. The special number cannot be reached from telephones not connected with the system, of course.

RETIRED STAFF CLUB

The 171st meeting of the Penn State Retired Staff Club, which has a membership open to all retirees of the University, will be held Thursday, July 10, at 7:30 p.m. in the Saint Andrews Episcopal Church Parish Life Center, Elwood G. Williams, chief of the State College Police Department, will speak on "Police Activities and Problems in State College." Reservations for this meeting must be made by July 7; call Mr. and Mrs. Alice Buchan, 237-3344.

SUMMER THEATRE

Opening the Festival of American Theatre program for the summer July 11 at Pavilion Theatre will be the hit musical, "Wonderful Town," which is based on the "My Sister Ellen" stories and has music by Leonard Bernstein, with lyrics by Betty Comden and Adolph Green. The show runs also July 12 and 13, July 15-20, with a 2 p.m. matinee performance Saturday, July 19, in addition to the regular evening performance. Tickets can be obtained now (for any summer theatre show) at the box office in Arts Building or may be reserved by calling 865-1684 (or for out-of-town patrons, call collect 814-863-0182).



In producing the Bicentennial Wagon Train show, a brainstorming session brought together Don Tucker, consultant (at piano); Bruce Trinkley, assistant professor of music, who wrote the music; Monst Duque, assistant professor of theatre and film, responsible for staging; Douglas Modrow, associate professor of theatre and film, who planned the technical details; and Roger Cornish, assistant professor of theatre, lyricist.

Second wagon train on way

The second Bicentennial Wagon Train in which Penn State has a very considerable role left its point of departure — Carson City, Nevada — this week, and if the reaction of crowds that will see the show along the way to Valley Forge, Pa., can be judged by the small group that saw a preview last week in Pavilion Theatre, then the young people putting on the show will be a huge success.

Wagon Trains like this, alive of them in

all involving eventually wagons from every state in the nation, are Pennsylvania's way of calling attention to the State's vital part in the birth of the nation. Valley Forge, as the final goal of the trains on or before July 4, 1776, is a natural.

The first train left Blaine, Washington, in early June; other trains will leave from widely scattered points in the fall, gathering wagons as they move across the country. Each caravan will have small troupes to give a forty-minute show calling attention to the Bicentennial through songs and words. The Departments of Music and of Theatre and Film have been responsible for putting the shows together, producing songs about the ordinary people of the Nation, not the easily recognized heroes like Washington and Jefferson. Topics such as immigration, parades, and other emotion-stirring ideas are the feature. The shows generally will be performed in cow pastures, Little League ball fields, shopping centers, state fair grounds, or wherever the train stops at night. Staging

(Continued on page two)



Stage has backdrop of two wagons and the sky.

Ways suggested to reduce toll phone costs

To effect maximum savings in campus operations, the University is sludging ways to reduce costs in such expenses as long distance telephone calls. The amplitude of the problem can be demonstrated easily. Here are the toll costs for University Park Campus for the past three fiscal years:

1972-73 — \$281,208.33

1973-74 — \$323,030.26

1974-75 — \$352,261.15

Not only is the rate of increase (25 per cent) extraordinary, but so also is the absolute value. It represents a charge of more than a thousand dollars per working day, and therefore worthy of serious study for ways to reduce it.

Rising costs of telephone toll service result from: increased telephone rates; increased general use by University faculty and staff of the long-distance service; failure to use the service in the most economical ways. The University isn't in a position to change telephone rates, and it is assumed that faculty and staff do fil-

tle long-distance calling unless it is warranted. However, with additional information, faculty and staff may help to reduce these costs by using the service in the most economical way:

1. Place operator-assisted calls only when absolutely necessary. This includes credit card calls, person-to-person, third number, and collect calls.
2. Use direct dialing wherever possible.
3. Use the new WATS service where it is available.

A comparison of costs for placing a call, of five minutes duration, to several cities from University Park will illustrate the first point.

City	Direct Dial Cost	Operator-Assisted Cost	
		(a)	(b)
Philadelphia	\$1.60	\$2.68	\$2.08
Pittsburgh	\$1.50	\$2.44	\$1.95
Chicago	\$1.85	\$3.33	\$2.43

(a) — Person-to-Person; (b) — credit card, third number, collect.

Direct dialing, of course, includes the Pennsylvania Network system through

which calls can be placed to Commonwealth Campuses, state government offices, and some Federal offices.

The WATS service was placed into service during May and the University realized a 10 per cent reduction of long distance toll expenses in a two-week period. The cost of each call placed outside of Pennsylvania with WATS during that period was \$1.99, 12 cents cheaper than the average call from University Park placed on long distance lines to phones outside of the State during May. The cost of calls within Pennsylvania placed via WATS was 70 cents, compared to \$1.29 per call for calls placed on the regular long distance lines. As more calls can be placed each day (after callers and operators became more familiar with it), it is expected that cost per call will come down.

The use of credit cards by some departments has been an aid to accounting procedures. R. E. Zilly, vice president for business, asks that this practice (for example, charging contract calls to a credit card) be seriously weighed against the extra costs of the system.

Honors

Dr. Hans A. Neuberger, professor emeritus of meteorology at Penn State, has been given emeritus ranking by the University of South Florida, especially unusual in view of the fact that Dr. Neuberger taught at the University of South Florida for only three and a half years after retiring from Penn State, and as a visiting professor. He received a plaque from President Cecil Mackey which cites him as "eminent scholar, distinguished teacher, admired scientist, humanist, musician and poet." The honor came a year after Dr. Neuberger had "retired" from teaching at South Florida, but was no less appreciated.

Funding Opportunities

For procedural and funding source information, call 865-1375.

JULY 3, 1975

(186-1) Predoctoral and postdoctoral fellowships and support policy has been issued by the National Institutes of Health, National Research Service Awards (NRSA) for Individuals (F-32's, postdoctoral fellowships) and Institutions (F-32's, pre- and post-institutes) are currently awarded. This information has the same deadline date as the NRSA Grants, Vol. 4 No. 5, 6/3/75.

(186-2) A Sept. 1, 1975 deadline date for NIH Research Career Development (RCD) Award Program applications. Funding through FY 1975-76 has been announced. RCD awards are limited to one 5-year period with salary based on a full time appointment. Salary limit from NIH is \$25,000. Also announced with the same deadline date are NIH Special Research Career Programs. Awards are made to the Institution on behalf of the candidate. The NIH awarding units include: National Eye Institute, National Heart and Lung Institute, National Institute of Allergy and Infectious Diseases, National Institute of Arthritis, Metabolism, and Digestive Diseases, and National Institute of Neurological and Communicative Disorders and Strokes. This information has been distributed. (Ref. NIH Guide, Vol. 4, No. 5, 6/3/75).

(186-3) Publication guidelines for Federal agencies in reference to this Privacy Act of 1974 (PL93-579) have been released by the Federal Register. Public use of the materials is to be determined by the agency which include a model outline of the regulations. This information has been distributed. (Ref. 40 FR 25987(3), 6/19/75).

(186-4) Federal stratigraphic research on bioenergetics is coordinated through the Interdepartmental Committee for Atmospheric Sciences (ICAS). Agencies which fund such research include the Departments of Commerce, Defense, Transportation, ERDA, NASA, EPA, and NSF. Current FY funding is \$14 million and is expected to increase in future years. Research on agriculture, biological, and human health effects of ozone reduction is supported by the U.S. Dept. of Agriculture, National Institute of Environmental Health Sciences, and the Environmental Protection Agency. (Ref. IMOS News, 6/12/75).

(186-5) An Office of Consumer Education has been established within the Office of Education. The office is to be located in the Division of Higher Education. Program goals are in support of research, demonstration, and pilot projects designed to provide consumer education to the public. This information has been distributed. (Ref. 40FR25939-40, 6/19/75).

(186-6) Rules and regulations for Emergency Relief Act of 1962 have been issued by the Office of Education. The regulations include educational television projects (contract), special arts projects (fairs, councils), special needs, concerns projects (internship), and other projects (contract or grant). This information has been distributed. (Ref. 40FR25711-86, 6/12/75) (CFR45-1355-135532).

(186-7) The U.S. Department of Transportation (DOT) in its recent issue of "Awards to Academic Institutions . . ." covers contracts and grants for research and training. Awards are grouped in six categories including DOT objectives: (1) improved capacity and service, (2) reduced costs, (3) protect the environment and conserve energy, (4) improve safety, (5) provide technical assistance, (6) improve research, and (7) improve R&D project. The contract/grant title, award amount, and university name is provided. This publication is on file at the Pennsylvania Transportation Board, Room 500, Building B, or Resource Information Service, Room 5 Old Main (Ref. Rep. No. DOT-T-73-75).

(186-8) NASA has issued a reminder that Aug. 15, 1975 is the deadline date for receiving proposals for the Sept/Oct. review cycle for lunar scientific research. Proposals include lunar surface analysis and mapping, lunar surface research (Sample), and lunar support research and technology (SRAT). Guidelines for participating in lunar programs are enclosed with the reminder letter. This information has been distributed. (Ref. NASA letter, 6/7/75).

REMINER AND DEADLINE DATES
July 14 for Graduate School Financial Awards (June 15 INTERCOM 218-9)
Aug. 1 for NEA Artists in Schools Program (May 22 INTERCOM 218-02)
Aug. 15 for NASA Life Sciences Program in Space (May 15 INTERCOM 218-07)
Aug. 15 for O.R.-W.W. Cancer Fund fellowship grant program (June 26 INTERCOM 218-4)
Sept. 10 for NSF Undergraduate Research Participation (May 29 INTERCOM 218-13)
Sept. 10 for IIE Graduate Study and Predoctoral Research Award (May 29 INTERCOM 218-7)
Oct. 1 for John Simon Guggenheim Memorial Foundation Fellowship (May 12 INTERCOM 218-57)
Oct. 10 for NSF Student Science Training Program (May 29 INTERCOM 218-2)
Nov. 1 for NHLI Young Investigator Program (May 29 INTERCOM 218-1)

All-America's here too

Flower gardens an attraction



Penn State's famous flower gardens are now in the charge of Marvin H. Runner, assistant professor of horticulture, above, who has the help of Penn State's Miss Noll and other Grove, who are using a wheelbarrow to mark places for the plants, headed by Ann Glover, Miss Allison, Janet Cole, and Margie Shamonsky. Grove is Runner's assistant, and the others are students who help at the peak of the work.

Since 1937, with the exception of two years when building construction interfered, the University Flower Garden has been helping commercial seedsmen and pleasing thousand of campus visitors, particularly in mid-August.

In the intervening years, only three men have had charge of these gardens, where All-America Flower selections and All-America Roses are tested. Earle Wilde, professor of ornamental horticulture, initiated the gardens when they were in the area east of Tyson Building. Wilde continued the project through the 1948 season, retiring Jan. 1, 1949, and Robert P. Meahl took over. The gardens were designed

all-America Test Gardens in that year for the annual flower show. Meahl was in charge when the gardens were moved to their present location north of the East Halls area after the two years (1964-66) of inactivity, until he retired in 1972.

Marvin H. Runner, assistant professor of horticulture, is now in charge, and on a not June day he was there in the four-acre, fenced-in fields at Park and Bigler Rds. helping to plant some 750 flower selections (half of them experimental, the other half "control" specimens).

These are annuals that we started in our greenhouses four to six weeks ago," he

theatre and film, was responsible for the technical details of the show, designing and supervising the construction of the portable stage carried with each show. Along with assistants Jeffrey Quinn and Pam Cheslek, he was also responsible for the technical and support elements connected with the train.

Costumes, designed to blend with the train and surroundings, were the work of Monter King, costumer at the Theatre Arts Production Studio. An old-fashioned look, with a color scheme of red, yellow, and brown, in prints and gingham, boots and jeans, were selected.

Douglas Cook, head of the Department of Theatre and Film, produced the show. Rich features at Penn State students in the train leaving Washington but will also in other trains include professional performers.

Sometime in the future one of the trains will pass through State College, one of 1100 such encampments by the five trains during the next year. The trains will take such well known trails as the Oregon and California Trails, Mormon, Santa Fe, Natchez Trace and Lancaster Pike. The performers won't have to live in the wagons, fortunately; mobile homes accommodate the performers and staff, equipment and horses have vans. Outriders on horseback will spread out from the train to collect signatures on scrolls reaffirming faith in the principles of the Declaration of Independence.

SECOND —

(Continued from page one)

shows for such circumstances to interest all kinds of American tastes, was a tremendous task for the producers, made more difficult because only three months' time was available to "put the show on the road," which includes writing, organizing, designing and making costumes, planning and building staging, etc. Manuel Duque, assistant professor of theatre and films, was responsible for the staging, with the task of unifying the various elements of the show.

Conestoga wagons will in general be the backdrop for each performance, but with constantly changing locales, the planning of the production had to recognize the different effects the scenery behind would have. Audiences, generally, will stand slightly below the level of the performers, whose voices will be amplified and carried through strategically placed speakers to the crowd which conceivably vary from a couple hundred people to thousands. The performers themselves along with the stage manager handle the details of setting up the stage.

The show was written by W. Bruce Trunkley, assistant professor of music, and Dr. Roger N. Cornish, assistant professor of theatre, with Don Tucker, Broadway lyricist and composer, serving as consultant for the project.

Douglas Maddox, associate professor of

Staff vacancies

University faculty or staff members who are interested in any of the staff exempt or full-time exempt jobs listed below may apply by calling Employment Division, 865-1387 (working hours 475-1387). No contact is to be made with the office. Applications will be accepted until 5 p.m.

THURSDAY, JULY 10, 1975
ASSISTANT ACCOUNTANT, CONTROLLER'S OFFICE
University Park

Responsible for various accounting personnel for assistance in a wide variety of duties, working toward the overall goal of obtaining a well rounded accounting experience in all areas assigned within the Controller's Office. Bachelor's degree or equivalent, preferably in accounting or related field and over three months of directly related experience.

RESEARCH AIDE, COLLEGE OF SCIENCE —

University Park
Responsible for the separation, purification, and analysis of proteins and enzymes. Prepare, process, and maintain cultures of microorganisms for experimental use. Prepare culture media and reagent solutions as needed. Separate and purify subcellular fractions by ultracentrifugation. Operate a visible-ultraviolet spectrophotometer, liquid scintillation spectrometer, and amino acid analyzer. Determine enzyme activities and reaction products by radiochemical analysis. Utilize processes such as electrophoresis, chromatography, and gel filtration for the analysis and purification of proteins.

Bachelor's degree or equivalent in Biochemistry, Chemistry, or Biology with one to two years directly related experience plus some knowledge of Biochemical technique and instrumentation.

EEG TECHNICIAN — Hershey Medical Center
Responsible to the director of the Visual Electrophysiology Laboratory for the performance of electrophysiologic examinations, etc. Bachelor's degree with patients, electronics and computer academic administrative duties. Also act as liaison with other departments, organizations, and various research institutions and centers as well as with federal and state agencies. Responsible for writing letters, memoranda, and major reports. College or University graduate with a Bachelor's degree and budgeting involving internal and external funding. Must be able to take delegation and work independently, to write clearly, and exercise discretion in dealing with the problems of the job.

ADMINISTRATIVE ASSISTANT, DEPARTMENT OF ECONOMICS, COLLEGE OF THE LIBERAL ARTS — University Park

Responsible to the Head of the Department of Economics for various administrative functions to include administration of the office, accounting and control of various budgets, financial management, personnel functions as well as various academic administrative duties. Also act as liaison with other departments, organizations, and various research institutions and centers as well as with federal and state agencies. Responsible for writing letters, memoranda, and major reports. College or University graduate with a Bachelor's degree and budgeting involving internal and external funding. Must be able to take delegation and work independently, to write clearly, and exercise discretion in dealing with the problems of the job.

The University is an Equal Opportunity Employer.

says, "and they include species generally grown by the public in home gardens or landscape—people in public gardens or governmental institutions, in other words, the more common flowers, although we do have a few of unusual species. But they aren't just ordinary flowers, either, because the 'test' flowers represent the hopes of the seed companies to develop and market something new, and especially something attractive, so that gardeners will want to buy their seeds. An All-America selection is a coveted title and the seedsmen make positive use of the title in their advertising."

"But I think it is also important to point out that other studies are being made concurrently with the tests. For example, right now we are studying the response of these flowers to the use of mulches and herbicides."

"When we look at the individual plants, we are examining their general vigor, growth uniformity, disease resistance, and desirability as garden plants."

"We will make note of color, early bloom, dwarf or semi-dwarf characteristics and uniformity as a bedding plant."

The plants are now mulched with a plastic cover, and Runner used, for the first time, a bulb planter to cut holes in the plastic and fill soil where the plants were to be placed by his helpers. The process has speeded up the planting many times over.

By the end of August, when the "show" is largely over, the gardens will have accommodated perhaps eight to ten thousand visitors, many of whom are avid gardeners and will make note of the new varieties tested, although they may not see them on the market for several years, and perhaps never.

"Ours is one of the 24 test gardens, for All-America selections," Runner points out, "and if a selection hasn't done well elsewhere, the seed company may not market it even if it has been outstanding here."

In the second week of August, seed company representatives will be here to see for themselves how their varieties are doing in comparison with others. Then, also, the committee of All-America judges, including Runner, will make their choices. Some of the visitors may be from abroad, because in recent years a number of seed producers, particularly in Europe and Japan, have sent seeds to be tested.

"We have had to begin charging the companies for a test," Runner points out, "because of our increasing costs, and last year the number of selections was reduced about fifty per cent, but this year the number has again increased, although not to the previous level."

Runner works with a relatively small crew, which includes his foreman, William Grove, five young women and two young men, some of whom are back for their third summer.

Many of the visitors, who include members of garden clubs, group tours of the campus, and flower hobbyists, come back year after year simply because they find the colorful display. They bring friends from out of town, and so the gardens are well known nationally.

Runner, and the Department of Horticulture, are pleased that the public shows its enthusiasm for the plantings. There is only one caution: please don't pick the daisies, or marigolds, or aliums, or cleome, or etc. This is research work first, and exhibition second.

PENN STATE intercom

Volume 4, Number 43

July 10, 1975

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

Also discusses appropriations bill

President affirms to Senate commitment on hiring policies

President Oswald reaffirmed Penn State's commitment to development of a strong affirmative action plan that assures good faith efforts in all its hiring policies.

Speaking at the regular meeting of the University Faculty Senate, July 1, Dr. Oswald outlined the University's development of a plan over the last several years, noting that to date four separate affirmative action plans have been submitted but the Federal government has changed its guidelines and requirements.

"Throughout this process," he said, "we were always informed that the University was not in a state of non-compliance."

According to Dr. Oswald, the first plan was submitted in 1971 and, after establishment of the University's Affirmative Action Office, a broad consolidated plan for the entire University was submitted in July, 1973, to the regional office of the Office for Civil Rights, Department of Health, Education, and Welfare, in Philadelphia.

"The HEW response was that the plan was a consolidated report, and we were told that a plan for each campus, or 22 separate plans, were needed. In February, 1974, the University submitted 22 separate plans, but the HEW response was such that the units were so small that they should be clustered."

Dr. Oswald said that in October, 1974, the University administration felt "some real progress" was made when a new affirmative action plan was filed and a memo of understanding signed with the regional office with a commitment for a response by Jan. 15, 1975.

A letter of Jan. 14, 1975, from the regional office advised that they considered the plan "quite adequate" but that more time would be required to review the entire plan, consisting of three volumes. Through a public news release on June 15, 1975, it was learned that the plan had not been accepted.

HEW officials then delivered a 42-page document of new standards that if not

signed threatened the execution of a \$2.8 million Federal contract for coal research with the Energy Research and Development Administration.

"We found we were unable to sign it,"

Dr. Oswald said, "and, as a result of mutual discussions on June 26, HEW withdrew the 42-page document and replaced

"I think it is very important that the University community and particularly the academic community understand that this institution through its administration has been making a genuine effort to attempt to develop a workable Affirmative Action plan which would have as its basis good faith efforts. We are as determined now and as committed now to pursuing these civil rights and to root out discriminatory policies or actions within this University as we were in the first place . . ."

President Oswald, at University Faculty Senate meeting, July 1, 1975.

it with a three-page document which provides for us to meet and discuss a new affirmative action plan."

After University and HEW officials met again to discuss the new guidelines, there will be a 30-day period until a deadline for completion of the plan. The short-term agreement also provides that the University has not waived any rights to raise objection to the authority of the HEW Office for Civil Rights to require specific corrective actions.

"It's very important that the University community understand what we were faced with — not only we but some 31 other institutions — in the last couple of weeks and where we stand now."

Concerning the University's appropriation bill status and the 1975-76 budget, Dr. Oswald said he was pleased that the decision was made to abandon the 15-month fiscal year and to remain on the 12-month fiscal year. He said he also was very pleased that the bill before the Senate Appropriations Committee restores the research funding level to that of the past year.

"It is our hope that this bill will ultimately prevail. It is our intent at the July Board of Trustees meeting to have tuition level, room and board charges, and the operating budget, including levels of salary increments, acted upon. Whatever is done on salary increments will be retroactive to July 1."

In other action, the Senate approved a recommendation providing that completion of requirements for options and non-major options in a program of study be entered on the student's official academic record. The action also prohibits issuance of certificates for baccalaureate degree programs unless approved by the Senate, the University administration and the Board of Trustees.

The Senate also:

—Approved a report on definitions and program presentation from the Subcommittee on Catalog, but returned to the committee a proposal for creation of an Academic Program Guide that would provide detailed, up-to-date information on programs of study.

—Extended for two years a special admissions policy that permits veterans dropped from other colleges and universities for poor scholarship to enroll at Penn State as provisional degree students.

—Deferred action on a new set of student rules until the Sept. 9 meeting.

—Approved establishing faculty seminars to examine methods for achieving the goals of Penn State which call for lifelong experiences of learning.

Environmental policy center has added role

Effective July 1, the Center for Study of Environmental Policy has taken on the additional and auxiliary function of serving as the University's contact point, by mail and telephone, for those who have questions concerning environmental programs both from within and outside the University. Previously this function was performed by the Office of Environmental Quality Programs, directed by Dr. R. D. Schein, who is currently on leave.

Dr. Terry A. Ferris is the director of the Center for Study of Environmental Policy, with office in Room 401 Grange and telephone (814) 865-1442.

Children's art classes

Three special art classes for children will be offered during the Summer Term by the Department of Art Education.

The classes will begin on Thursday, July 24, and continue each Tuesday and Thursday, from 10 to 11:30 a.m. through Thursday, Aug. 14.

(Continued on page 20)

Rung is named to head mathematics

Dr. Donald C. Rung, professor of mathematics, has been named head of the Department of Mathematics, effective on July 1. He succeeds Dr. Paul Axt, who has served as head of the Department since 1971. Dr. Axt is leaving the administrative post to return to full-time teaching and research as professor of mathematics.

A member of the Penn State faculty since 1961, Dr. Rung was associate head of the department from 1968 to 1970 and supervisor of graduate studies in mathematics from 1965 to 1967 and again from 1970 to the present.

Active in the University Faculty Senate, he has served as vice chairman of the Committee on Admissions and as chairman of the Subcommittee on Fringe Benefits. He has also been a member of the Graduate School Committee on Fellowships and Awards, the College of Science Committee on Disadvantaged Students, the Faculty Senate Faculty Affairs Committee, the Graduate School Council, and the Faculty and Graduate Affairs Committee of the Graduate School Council.

A specialist in complex analysis and potential theory especially in the area of boundary behavior, he was senior Fulbright lecturer in mathematics at Tsing Hua University, Taiwan, Republic of China, while on leave in 1967-68. During the past academic year, he was on leave at Carleton University, Ottawa, Canada, where he served as visiting senior research scientist.

Musical to open theatre season

Professional actors Cathy Brewer-Moore, Virginia Gregory, and Steve James, complemented by other Equity actors, students, and community volunteers, star in the Penn State Festival of American Theatre production of the hit musical, "Wonderful Town," which opens at Playhouse theatre tomorrow (July 11, curtain 8 p.m.) and will also be performed July 12-13, and July 15-20, with a Saturday (July 19) matinee at 2 p.m.

Knox Fowler, professor of theatre and film, is directing the show, which is based on the "My Sister Eileen" stories and features the music of Leonard Bernstein. The show opened on Broadway in 1953 and was an instant hit, with such tunes as "It's Love" and "A Quiet Girl." Betty Comden and Adolph Green wrote the lyrics.

Tickets for this show, and the other three on the summer schedule, may be purchased in the Arts Building (daily except Monday, 10 a.m. to 9 p.m.) or reserved by calling 865-1884. The remainder of the schedule for the summer includes:

"You Know I Can't Hear You When the Water's Running," a quartet of short comedies by Robert Anderson, at Pavilion Theatre, July 18-20, July 22-26.

"Girl Crazy," the melodious musical with music by the Gershwins and book by Guy Bolton and Jack McGowan, Playhouse Theatre, Aug. 1-3, Aug. 5-10 with a matinee Saturday, Aug. 9.

"Awake and Sing," the powerful Clifford Odets drama, Pavilion Theatre, Aug. 8-10 and Aug. 12-16.

Senior citizens and University students may obtain discounts on ticket purchases.

Seek advice from insurance agent

No-fault insurance questions raised

With all of the information being presented to the public recently on the provisions of Pennsylvania's "no-fault" automobile insurance, questions have been raised about the effects of the University's medical and disability plans on the premium-reducing options of "no-fault."

One of the options permits a motorist to designate his or her group medical insurance plan (such as the University's UNICARE plan) as the primary plan for paying medical expenses resulting from an automobile accident and, in doing so, to receive a small decrease in the automobile insurance premium. This reduction in premium is very minimal normally and will vary from policy to policy and from company to company. Your automobile insurance agent can provide actual figures to you.

To qualify for this discount, the group medical plan must be a qualified plan within the meaning of the legislation. The University has contacted its insurance company, its Insurance consultant, and the Pennsylvania Insurance Department seeking answers to specific questions. None of these sources has provided definite answers to our questions. Therefore, the University cannot recommend that employees exercise the discount option which would designate UNICARE as the primary plan. This is not to say that the University's plan doesn't qualify. It simply means that since the University is unable to get definitive answers, it cannot make a positive recommendation.

Another "no-fault" premium discount is available to motorists who are covered by a disability income plan (such as the University's sick leave plan) and who elect to have that plan be primary when an accident results in an absence from work and resultant loss of income. It appears that a University employee may claim that discount if his or her sick leave allowance is (and will continue to be) sufficient to continue salary for at least 90 consecutive days (approximately 64 workdays).

The Employees Benefits Division will attempt to answer questions about the University's benefits plans as they may relate to "no-fault" automobile insurance. The personnel in Employee Benefits are not available, however, to influence or advise employees on any other aspect of the new legislation. That responsibility remains with each employee in consultation with his or her own automobile insurance agent.

Ridge, McGrew, Margaret Hager retire

Dr. John D. Ridge, head of the department of mineral economics, has retired as professor emeritus of economic geology and mineral economics after serving on the faculty for 28 years. On July 1, he became adjunct professor of geology at the University of Florida, Gainesville, Fla. Dr. Ridge holds three degrees in geology from the University of Chicago. Prior to serving in World War II for four years, he worked as a petrographer for the U.S. Steel Corp. and the National Park Service, and as a geologist for the Pasco Copper Corp. Leaving the Army with the rank of lieutenant colonel in 1945, he worked as a geologist with the New Jersey Zinc Co. before joining the Penn State staff as associate professor of economic geology in 1947.

In 1951, he was named chief of the division of mineral economics, which later became the Department of Mineral Economics, and was given the title of associate professor of mineral economics. In 1953, he was advanced to professor and named assistant dean for resident instruction in the then College of Mineral Industries, while continuing to serve as department head.

In 1964, he relinquished the post of assistant dean and became professor of economic geology and mineral economics as well as continuing as head of the department.

The author of a variety of publications, he was also active in a number of professional organizations and served as vice president and an organizer of the International Association on the Genesis of Ore Deposits. He is a Fellow of the Geological Society of America and the Mineralogical Society of America. In 1972 he received the Mineral Economics Award of the American Institute of Mining, Metallurgical and Petroleum Engineers, in which he was most active.

Margaret W. Hager, assistant professor of clothing and textiles in the College of Human Development, has retired, effective July 1. A graduate of the University of Wisconsin with a bachelor of science degree in clothing and textiles, she taught clothing and related subjects at Huntington College, Montgomery, Ala., from 1950 to 1954. She received her master's of science degree in clothing and textiles from Penn State in 1962 and served as part-time instructor until her appointment as assistant professor in 1966.

Miriam E. McGrew, home related arts specialist and associate professor of home management extension, retired June 30 with 23 years service to the University. Miss McGrew has been with the Extension Service at Penn State since 1963 but from 1950 to 1962 she taught in the College of Home Economics, now the College of Human Development. A native of Nebraska, she received a bachelor of arts degree from Peru State College, Peru, Nebraska, and a master of arts degree from Colorado State College, Greeley, Colorado. She has also done post graduate study at the University of Nebraska, Lincoln; University of Colorado, Boulder; and Penn State. She began her teaching career in the Dunbar, Nebraska public schools. Later she taught art in the public schools of Lincoln, Nebraska, and the Hockaday School for Girls, Dallas, Texas. She also taught crafts at the Art Center, Des Moines, Iowa. She has taught art education at the University of Nebraska and Portland State College, Portland, Oregon, and home related art at West Virginia University. In Home Economics here, she taught design, crafts, flower arrangement and furniture design. She acted as building chairman during the building and renovation of the home economics building. She was acting chairman of the home related arts section for one semester.

Calendar—July 10-20, 1975

SPECIAL EVENTS

Friday, July 11 — Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

Friday-Sunday, July 11-13, Tuesday-Sunday, July 15-20 — Penn State Festival Theatre, "Wonderful Town," Playhouse Theatre, Friday-Saturday at 8 p.m., Sunday at 7:30 p.m.

Sunday, July 13 — Black Christian Fellowship—worship service, 11:15 a.m., Eisenhower Chapel.

Sunday, July 13 — Interlaria Folk Dance Club, 7:30 p.m., HUB terrace (ballroom in case of rain).

Thursday, July 17 — Central Pennsylvania Festival of the Arts, Sonata Recital, Raymond Page and Phyllis Triolo, 4 p.m., Schwab.

Thursday, July 17 — Central Pennsylvania Festival of the Arts, Rockview Men's Glee Club, 7 p.m., Schwab.

Thursday, July 17 — Central Pennsylvania Festival of the Arts, State College Music Guild and State College Choral Society, 8 p.m., Music Bldg., recital hall.

Thursday-Sunday, July 17-20 — Central Pennsylvania Festival of the Arts side talk and presentation, Room 101 Kern, Thursday-Friday at 7 p.m., Saturday-Sunday at 2 p.m.

Friday-Sunday, July 18-20 — Penn State Festival Theatre, "You Know I Can't Hear You When the Water's Running," Pavilion Theatre, Friday-Saturday, 8 p.m., Sunday, 7:30 p.m.

Friday, July 18 — Central Pennsylvania Festival of the Arts, Will Stults in "An Evening with Mark Twain," 8 p.m., Schwab.

Saturday, July 19 — Central Pennsylvania Festival of the Arts, Contemporary Dance Company Concert 1 and 7 p.m., Schwab.

Saturday, July 19 — Central Pennsylvania Festival of the Arts the Choral Society of Central Pennsylvania and the State College Symphony Orchestra, 8 p.m., Music Bldg., recital hall.

Sunday, July 20 — Central Pennsylvania Festival of the Arts, concert by Barbara Sonies, accompanied by Elizabeth Keller, 8 p.m., Music Bldg., recital hall.

News in brief

SUBMARINE TOUR

Free-U is organizing a trip to New London, Conn., for the purpose of seeing one of the U.S. Navy's nuclear submarines. The group would leave University Park Sunday, July 27 about 5 p.m., camp or find accommodations near New London, and tour the submarine base and the boat itself July 28. In the air, the tour lasts eight hours, and lunch would be obtained at the base cafeteria. The return trip would be made that evening. A meeting to provide additional details will be held Wednesday, July 16, at 7:30 p.m. in Room 60 Willard Bldg. The current plan is to charge passengers in the car only for the gasoline. Cars and drivers are needed also at present.

CHAMBERS EXHIBITS

Drawings, collages, jewelry and Columbian artifacts are currently on display in the Chambers Gallery, to remain until July 24. A future candidate in art education, now living in New York, Richard Hamwi, is displaying pen and ink drawings and paper collages dealing with serial imagery. Also, jewelers Bonnie Deutsch, Betsy Suhey, and Leslye Bloom are exhibiting their most recent works. The Columbian artifacts in the exhibit are from the collections of several members of the art education faculty.

Staff vacancies

University faculty or staff members who are interested in any of the staff exempt or staff non-exempt jobs listed below may apply by calling Extension Division 865-5987 (network Line 478-1387). Do not contact the area having the vacancies. Applications will be accepted until 5 p.m.:

THURSDAY, JULY 17, 1975
ASSOCIATE HEALTH PHYSICIST, INTERCOLLEGE RESEARCH PROGRAMS — University Park
Responsible for conducting the radiation safety program. Outlines include the performance of applied radiation safety tasks such as radiation and contamination surveys, instrument calibration, doseometry, bioassay, radioactive waste management, disposal, and record keeping. Master's degree or its equivalent in radiological health, health physics, public health with a major in health physics or radiological science, plus one to two years related experience. Bachelor's degree in chemistry or physics preferred.

The University is an Equal Opportunity Employer.

LECTURES

Thursday, July 10 — Department of Meteorology, a debate on the proposition: "Meteorology Has Reached Its Useful Limit," between Dr. Richard S. Scorer, professor of theoretical mechanics, Imperial College, University of London, and Dr. C. L. Hosler, dean of the College of Earth and Mineral Sciences. Dr. A. K. Blackadar, head of the Department of Meteorology, will serve as moderator, 9:35 a.m., Room 22 Delke.

Friday, July 11 — Department of Meteorology, Dr. Richard S. Scorer, professor of theoretical mechanics, Imperial College of Science and Technology, University of London, on "Hazards to the Atmosphere — Are They Real?" 2:20 p.m., Room 21 Delke.

Wednesday, July 16 — College of Education, Henry Hermonowicz on "The Social Ecology of Education," 11:10 a.m., Room 112 Kern.

Thursday, July 17 — College of Education, Dr. Richard S. Scorer, professor of theoretical mechanics, Imperial College Schools, 2:20 p.m., Room 112 Kern.

Friday, July 18 — Department of Sociology, Governor Shapp, 1:30 p.m., Room 112 Kern.

OFFICIAL

Thursday, July 10 — Tuesday, July 22 — Drop period for six week Summer Term.

Friday, July 18 — Tuesday, July 22 — File for Pass/Fail Option for six week Summer Term.

EXHIBITS

Museum of Art — Linda Plotkin, "Bellonci Collage: Evocation of Print." Gallery A. Twenty paintings on wood panels from Allentown Museum of Art Samuel H. Kress Collection, Gallery C. Central Pennsylvania Festival of the Arts Crafts Exhibition, Gallery B. Kern Gallery — Central Pennsylvania Festival of the Arts Juried Art Exhibition, Emerson and Roslyn Horace, Navajo and Hopi Indian jewelry. Functional and non-functional ceramics by Jean Stevens-Soliman and Toshiko Fukuyama. Zoller Gallery — Central Pennsylvania Festival of the Arts Invitational Art Exhibition, opening July 10.

Chambers Gallery — Betsy Suhey and Virginia Kopacz, metalwork, and jewelry.

HUB Gallery — Central Pennsylvania Festival of the Arts children's art and young adults' arts and crafts.

Hammond Gallery — Central Pennsylvania Festival of the Arts young adults folk crafts and poetry composition.

Pattee Library — Central Pennsylvania Festival of the Arts, Arts and Religion.

Films

Wednesday, July 16 — Commonsplace Theatre, "The Fearless Vampire Killers," 7:30 and 9:30 p.m., Room 112 Kern.
Thursday-Sunday, July 17-20 — ARHS film, "Take the Money and Run," 8 and 10 p.m., Findlay Rec Room.

FILM SCHEDULE FOR CENTRAL PENNSYLVANIA FESTIVAL OF THE ARTS

THURSDAY, JULY 17
7:00 p.m. — "SALT OF THE EARTH," EMS Auditorium.
9:30 p.m. — 5 SHORT FILMS + "CAT BALLOU," Old Main Lawn (in case of rain: Schwab Auditorium).
FRIDAY, JULY 18
4:00 p.m. — "FILMS AS ART program," 209 Human Development.
7:00 p.m. — "BED AND SOFA" + "ANTONIA," EMS Auditorium.
9:30 p.m. — 6 SHORT FILMS + "HIS GIRL FRIDAY," Old Main Lawn (in case of rain: Schwab Auditorium).
SATURDAY, JULY 19
1:00 p.m. — "THE PRODUCERS," EMS Auditorium.
4:00 p.m. — "THE KNACK," EMS Auditorium.
7:00 p.m. — "NO LIES" + "A FREE WOMAN," EMS Auditorium.
9:30 p.m. — 3 SHORT FILMS + "HIS GREAT RACE," Old Main Lawn (in case of rain: Schwab Auditorium).
SUNDAY, JULY 20
1:00 p.m. — "LA BELLE AMERICAIN," EMS Auditorium.
4:00 p.m. — "YESTERDAY, TODAY, AND TOMORROW," EMS Auditorium.
7:00 p.m. — "SALT OF THE EARTH," EMS Auditorium.
9:30 p.m. — 4 SHORT FILMS ON FILM-MAKING + "SINGING IN THE RAIN," Old Main Lawn (in case of rain: Schwab Auditorium).

Honors

Waller L. Baker, associate professor of engineering research in the Applied Research Laboratory at the University, has been presented the Navy Meritorious Public Service Citation for his work on a weapon system for the Navy. He was cited "for exceptional and meritorious personal contributions to the development of the Torpedo Mark 48 Weapon System." By his invaluable technical contributions to the development of the most advanced and effective anti-submarine torpedo in existence today, Mr. Baker has immeasurably contributed to the readiness of the United States Force and the security of the United States," the citation read. "His outstanding technical leadership, judgment and devotion to torpedo development have been exemplary, and are in keeping with the highest traditions of the Navy."

Dr. Herberta W. Lundegren, professor of physical education, has been installed as president of the Eastern Association for Physical Education of College Women, for 1975-76. This is one of five regional branches of the National Association for Physical Education of College Women. Dr. Lundegren has been a member of the faculty since 1960.

Frank W. Peikert, professor and head of the department of agricultural engineering, has received the 1975 Massey-Ferguson Educational Award which is presented annually by the American Society of Agricultural Engineers to honor those whose dedication to the spirit of learning and teaching in the field of agricultural engineering has advanced agricultural knowledge and practice. He joined the A.S.A.E. in 1939 and was elected a Fellow in 1955.

Dr. Floyd W. Hicks, professor and chairman of poultry science extension, received the Pennsylvania Poultry Federation's 1975 Allied Industryman of the Year Award at the federation's recent annual meeting in Gettysburg. The honor is based on leadership and dedication to the nation's fourth largest poultry industry, and results from a variety of programs Dr. Hicks has been involved in during his 12 years on the staff.

Faculty notes

Dr. Alfred R. Bobrowsky, senior research associate in the Materials Research Laboratory about whose Chinese cookbook display in Pattee Library INTERCOM of June 26 reported, is currently teaching a five week course, "Cooking and Eating Chinese Food for American Meals (Ladies Welcome)" at Bucknell University. In a class of 17, of faculty members and wives as well as some undergraduates, he is lecturing and demonstrating a variety of menus of Oriental origin at The Scullery student union building. One laboratory experience will include an excursion to New York City, to benefit from the skills of one of the city's most famous Chinese restaurants.

Dr. Raymond W. Regan, assistant professor of civil engineering, will give a paper at an international conference in Copenhagen, Denmark, Aug. 18-22, on "Nitrogen Oxidation and Removal Rates Using Activated Algae," based on research on activated algae he has conducted, as well as a special investigation he will conduct at the University of Kansas. He leaves tomorrow (July 11) to conduct the study on the use of activated algae to upgrade the operation of a stabilization pond to advanced wastewater treatment levels.

CHILDREN'S

(Continued from page one)

Classes to be offered are Creative Arts for Children, ages 6 to 7; Drawing and Painting for Children, ages 8 to 12; and Arts and Crafts for children, ages 8 to 12.

All classes will be held in the studio laboratories of the Department of Art Education in Chambers Bldg., and will be coordinated with the Art festivals, galleries, exhibitions, Museum of Art exhibitions, and arts at the University during this summer.

Classes are instructed by advanced art education majors and are supervised by Dr. Barbara J. Hodik, of the Department of Art Education.

Registration for these classes, which are limited in enrollment, can be made by calling the Department of Art Education (865-6570) from 9 a.m. to 5 p.m. any time until Friday, July 18. No registrations can be accepted after July 18.

PENN STATE intercom

Volume 4, Number 44

July 17, 1975

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

Award won by faculty planning team

A Penn State faculty team has won an award in an international planning competition sponsored by the Portuguese Ministry of Public Works with the sanctioning of the International Union of Architects.

Members of the team, one of just two American teams to place, are Wladyslaw Strumillo, associate professor of architecture, Daniel Jones, assistant professor of landscape architecture, and Dr. Eugene Bajan, assistant professor of environmental planning in the Department of Man-Environment Relations. Consultants were, for agriculture, Dr. Robert Cunningham, associate professor of soil genesis and geomorphology in the Department of Agronomy, and, for technology, Dr. Louis Summers, associate professor of architectural engineering.

The Penn State proposal, which won a cash award of 53,000 Portuguese escudos, was among few entries not originating with a professional design studio.

Entrants were requested to submit a program of ideas and a physical master plan for development of Porto Santo Island and the Madeira Archipelago in the Atlantic Ocean. The plan included ecological and agricultural restoration, with efforts to provide for tourism while improving the standard of living for the native population of some 4000.

Among jurors for the competition were architects and engineers from Poland, Portugal, Great Britain, Spain, and the

United States. Along with the University group, winners included teams from The Netherlands, England, Sweden, Denmark, and Australia.

The jury commended the Penn State entry for presenting a variety of ideas for the development of the island in a systematic and clear manner, a deep concern for native/tourist co-existence, and the granting of priority to self-sufficiency.

Center gets contract

The Center for the Study of Environmental Policy at the University has been awarded a \$24,000 contract from the Governor's Energy Council for the investigation of resource recovery processes in the Capitol Complex of buildings.

Co-principal investigators are Dr. Stuart H. Mann, associate professor of operations research, and Dr. Craig R. Humphrey, assistant professor of sociology. Assisting in the six-month study are Glenn R. Harris and Deborah M. Kaplan, graduate and undergraduate student, respectively, in the Division of Man-Environment Relations, and Timothy Jewell, graduate student in sociology.

Objective of the study is to determine whether or not a resource recovery system should be established in the Capitol Complex. A cost-benefit analysis of alternative resource recovery systems, including both material and energy recovery systems, will be completed.

MRL gets study contract from Congress

The Office of Technology Assessment of the U.S. Congress has awarded a contract to the Materials Research Laboratory to conduct a study of the nature and potential utilization of a National Materials Information System in Congressional decisions on Research and Development.

The study is to be conducted by Dr. Huston Roy, director of the laboratory, and G. G. Johnson, associate professor of computer science. Dr. Roy serves on the National Materials Advisory Board of

the National Academy of Sciences and on the Advisory Committee to the Division of Materials Research of the National Science Foundation, and Prof. Johnson serves on the WDATA committee of the National Data Board of the National Academy of Sciences. The Office of Technology Assessment is the new arm of the Congress chartered to provide studies on various aspects of national policies in the area of science and technology.

President replies to tuition exemption criticism

Responding to comments of Rep. William R. Shane (D.—Indiana) quoted in newspapers earlier this week President John W. Oswald yesterday took strong objection to Mr. Shane's criticism of tuition reduction benefits for Penn State employees.

President Oswald pointed out that programs for partial reduction of tuition for University employees and their dependents have been in effect at Penn State and other colleges and universities for many years and for good reasons. He emphasized the following:

1. Tuition benefits for University employees and their dependents are part of an overall compensation package and have historically enabled Penn State and other universities to attract and retain well-qualified employees in all categories. This, in turn, has had a direct bearing on the quality of the University and the quality of the service it is able to render to the Commonwealth.

2. Legal as well as moral implications must be considered in any change in these tuition benefit policies. They represent a commitment to current employees and are a significant part of employee financial planning for the future. Any precipitous change in this fringe benefit to employees could involve the University and the Common-

wealth in potential breach of contract litigation.

3. The benefits of the University tuition reduction policies are available to all classes of fulltime employees, not just faculty members as is frequently implied. Indeed, the majority of those benefiting from this program are not faculty members but clerical, technical service, and staff employees.

4. The tuition benefits policy is but one part of a total University compensation plan and cannot be dealt with in isolation.

5. Programs providing educational benefits to employees are available to agencies of state government as well as business and industry, and are intended not only as a fringe benefit but as part of an overall effort to upgrade and maintain the qualifications of employees.

"Questions regarding University policies of tuition reduction were never raised during the time of our hearings before the Appropriations Committees of the House of Representatives, including Mr. Shane, and the Senate," President Oswald said. "It is critical that Penn State and other colleges and universities be given the opportunity to resolve this matter with the pertinent legislative committees during the coming year."

Tuition amendment may be unconstitutional

Concern has been expressed by many University faculty about an amendment passed last week by the House of Representatives to Senate Bill 362 which would end fringe benefits of reduced tuition for University employees by September, 1976, at the State Colleges and the Commonwealth Universities, including Penn State.

In a letter sent on Friday to University administrative officers for dissemination to faculty, staff, and other employees, President Oswald explained that the original bill, which is not related to Penn State or to higher education, is one which would amend the Administrative Code of 1929, increasing

the membership of the Industrial Board in the Department of Labor and Industry. "The tuition amendment," he said, "is believed by many to be of dubious constitutionality since it is not relevant to the intent of the original bill. A previous attempt to include such a provision in the General Appropriation Bill of the Commonwealth failed in June of this year."

Leaders in the State Senate, including State Senator Joseph S. Ammerman, of Centre and Clearfield counties, have stated their opposition to the House amendment and have indicated their belief that the Senate will not approve the amendment.

Calendar—July 17-27, 1975

SPECIAL EVENTS

Thursday-Sunday, July 17-20 — Penn State Festival Theatre, "Wonderful Town," Playhouse Theatre, Thursday-Saturday at 8 p.m., Saturday also at 2 p.m., Sunday at 7 p.m.

Thursday, July 17 — Central Pennsylvania Festival of the Arts, Sonata Recital, Raymond Page and Phyllis Tricla, 4 p.m., Schwb.

Thursday, July 17 — Central Pennsylvania Festival of the Arts, Rockview Men's Glee Club, 7 p.m., Schwb.

Thursday, July 17 — Central Pennsylvania Festival of the Arts, State College Music Guild and State College Choral Society, 8 p.m., Music Bldg., recital hall.

Thursday-Sunday, July 17-20 — Central Pennsylvania Festival of the Arts, slide talk and presentation, Room 101 Kern, Thursday-Friday at 7 p.m., Saturday, Sunday at 2 p.m.

Friday-Sunday, July 18-20 — Penn State Festival Theatre, "You Know I Can't Hear You When the Water's Running," Pavilion Theatre, Friday-Saturday, 8 p.m., Sunday, 7:30 p.m.

Friday, July 18 — Central Pennsylvania Festival of the Arts, Will Sluts in "An Evening with Mark Twain," 8 p.m., Schwb.

Friday, July 18 — Children's play for Central Penna. Festival of the Arts 11 a.m., Room 112 Kern. Also Saturday at 2 p.m. and Sunday at 1 p.m.

Saturday, July 19 — Central Penna. Festival of the Arts Fiddlers Competition, 1 p.m., Old Main lawn; in case of rain, HUB ballroom.

Saturday, July 19 — Central Pennsylvania Festival of the Arts, Contemporary Dance Company Concert, 1 and 7 p.m., Schwb.

Saturday, July 19 — Central Pennsylvania Festival of the Arts, The Choral Society of Central Pennsylvania and the State College Symphony Orchestra, 8 p.m., Music Bldg., recital hall.

Sunday, July 20 — Central Pennsylvania Festival of the Arts, concert by Barbara Sonies, accompanied by Elizabeth Keller, 8 p.m., Music Bldg., recital hall.

Sunday, July 20 — Black Christian Fellowship worship service, 11:15 a.m., Eisenhower Chapel.

Tuesday-Saturday, July 22-26 — Penn State Festival Theatre, "You Know I Can't Hear You When the Water's Running," 8 p.m., Pavilion Theatre.

Friday, July 25 — Commonsplace Coffeehouse, 8 p.m., Room 112 Kern.

Sunday, July 27 — Public opening reception for Nittany Mountain Summer and the "Five Pennsylvania Painters" Exhibit, 3-5 p.m., Museum of Art.

Sunday, July 27 — Interlaria Folk Dance Club, 7:30 p.m., HUB terrace (in case of rain, ballroom).

OFFICIAL

Friday-Tuesday, July 18-22 — File for Pass/Fail Option for six week summer term.

Tuesday, July 22 — Deadline for filing Course Repeat and Course Drops for six-week summer term.

LECTURES

Thursday, July 17 — Slide talk and presentation by L. P. Greenhill for the Central Penna. Festival of the Arts, 7 p.m., Room 101 Kern. Also Friday at 7 p.m., and Saturday and Sunday at 2 p.m., same place.

Tuesday, July 22 — College of Education, Jane Singh on "Equality issues in Children's Literature," 12:45 p.m., Room 112 Kern.

Wednesday, July 23 — College of Education, Dale Harris, psychology and human development, on "The Place of Fantasy in Psychological Development," 7:30 p.m., Room 112 Kern.

Thursday, July 24 — College of Education, David Carter on "The Courts and the Schools," 3:55 p.m., Room 112 Kern.

FILMS

Thursday-Sunday, July 17-20 — ARHS film, "Take the Money and Run," 8 and 10 p.m., Findlay Rec Room.

Tuesday, July 22 — Commonsplace Theatre, "Alone Circus," 7:30 and 9:30 p.m., Room 112 Kern.

Thursday-Sunday, July 24-27 — ARHS film, "Play It Again, Sam," 8 and 10 p.m., Findlay Rec Room.

Thursday-Sunday, July 24-27 — PSORML film, "Fantastic Planet," animated cartoon, 8:00 p.m., Room 105 Forum.

EXHIBITS

Museum of Art — Linda Plotkin, "Bellefonte Courthouse: Evolution of a Print," Gallery A. Twenty paintings on wood panels from Allenston Museum of Art Samuel H. Kress Collection, Gallery C. Selections from the Permanent Collection, Gallery C. Pennsylvania Festival of the Arts Juried Crafts Exhibition, Gallery A, until July 20.

Zoller Gallery — Central Pennsylvania Festival of the Arts Invitational Art Exhibition. Chambers Gallery — Betsy Suhey and Virginia Kopacz, metal work and jewelry, until July 24.

Kern Gallery — Central Pennsylvania Festival of the Arts Juried Art Exhibition, until July 20. Emerson and Roslyn Horace, Navajo and Hopi Indian jewelry. Functional and non-functional ceramics by Jean Stevens-Solomon and Toshiko Fukuyama. Ernest Beinart, photography, opening July 22.

Kilgus Gallery — Central Pennsylvania Festival of the Arts exhibition of children's art and young adults' arts and crafts.

Hammond Gallery — Central Pennsylvania Festival of the Arts young adults folk crafts and poetry competition, until July 20.

Pattie Library — Central Pennsylvania Festival of the Arts, Arts and Religion.

Deaths

Dr. Raymond W. Swill, who served on the faculty from 1923 until retirement in 1960 and who was head of the department of animal nutrition for 14 years, died July 11. He was 80. Widely known for his work in the field of nutrition and senior author of a textbook on energy metabolism and nutrition, he was a Fellow of the American Institute of Nutrition. A graduate of Massachusetts State University, he received an M.S. from Penn State and a Ph.D. from the University of Rochester. He was born at East Longmeadow, Mass., June 12, 1895. Memorial gifts may be made to the American Cancer Society.

Dr. Joseph T. Sullivan, who retired in 1969 as director of the U.S. Regional Pasture Research Laboratory based on campus and was professor of biochemistry, died July 3 at the age of 75. He had been with the U.S. Dept. of Agriculture for 32 years until his retirement and previously held positions with Boyce Thompson Institute and the Indiana Agricultural Experiment Station. A 1922 graduate of the University of Massachusetts with a B.S. in chemistry, he received an M.S. degree in 1924 from the University of New Hampshire and a Ph.D. in biochemistry from Purdue University in 1935.

In writing

A book, "Deformation of Ceramic Materials," edited by **Dr. Richard C. Bradt**, professor of ceramic science, and **Dr. Richard E. Tressler**, assistant professor of ceramic science, has just been published by Plenum Publishing Co. The book comprises the proceedings of an international conference held at Penn State last year. The conference focused on the basic phenomena pertinent to physical and chemical processes involved in deformation mechanisms in ceramic materials. The book includes chapters on single crystal studies, polycrystalline materials, and many oxide and non-oxide ceramics such as refractories, glass, glass-ceramics, carbides, and nitrides. Also included in the volume is a comprehensive series of articles on deformation processing including ferrite texturing, superplastic ceramics, and the strengthening of alkali halide laser windows.

Dr. Gordon Golany, professor of urban and regional planning and chairman of the graduate program in the Department of Architecture, is the editor of a new book dealing with all aspects of urban planning, including land use, development, financing, and legislation. The 293-page "Strategy for New Community Development in the United States" contains twelve essays by leading authorities in the new towns movement across the country. Dr. Golany has contributed two essays to the collection. The volume is an outgrowth of the inter-disciplinary seminar on new community development held annually at Penn State and is intended to analyze the many dimensions of new town planning. Also contained in the book is an extensive selective bibliography on the subject with some 1,000 entries compiled by Dr. Golany. The new text is published by Dowden, Hutchinson, and Ross, Inc., and distributed by Halsted Press.

Dr. Robert D. Arbuckle, associate director for academic affairs at New Kensington Campus, analyzes the career of one of the nation's most enthusiastic land speculators in a recent book published by the University Press. It is titled "Pennsylvania Speculator and Patriot: The Entrepreneurial John Nicholson 1757-1800." Although he died in a debtor's prison, Nicholson at one time controlled more than four million acres of Pennsylvania land. He helped to establish the Capital, in Washington, D.C., and built many of the early houses and manufacturing enterprises there. In addition to his speculative ventures, Nicholson was a controversial comptroller-general of Pennsylvania, helping to stabilize the State's fiscal position after the Revolution. Some space in the book is given to Nicholson's partner, Robert Morris, "the financier of the American Revolution," who also died in debtor's prison.

Dr. Patricia A. Ward, associate professor of French and comparative literature, is the author of "The Medievalism of Victor Hugo," which is part of the Penn State Studies series published by the University Press. Focusing on medieval elements in Hugo's language and style, Dr. Ward resolves the apparent contradiction between Hugo's participation in the Romantic medieval revival and his dislike of medieval institutions. Hugo's works and values are examined developmentally in a history of ideas framework.

Like other 19th century Romantics, Hugo felt at odds with the established order of his world, and his participation in the medieval revival of the 1820s and 1830s illustrates his desire for social reform as well as his relations to contemporary society. Hugo's attitude toward the Middle Ages became increasingly ambivalent, and medieval elements in his works were used to highlight the theme that the dark feudal past must give way to a golden future.

Medical experimentation on prisoners may result more from economic than social or moral factors, according to **Dr. Peter B. Meyer**, assistant professor of economic planning.

In "Medical Experimentation on Prisoners," a monograph published by the Correctional Economics Center of the American Bar Association, Dr. Meyer explores the issues of prisoner exploitation and adequate safeguards and subjects to economic analysis claims that an inexpensive, homogeneous pool of prisoner-subjects is necessary to hold costs of pharmaceutical experimentation to reasonable levels.

Dr. Meyer's study finds that prisoners, by virtue of their incarceration, are willing to participate in experiments and incur risks at rates in excess of five times the voluntarism exhibited by free persons, and will submit to such risks at rates of pay as low as one-tenth what nonprisoners demand.

The constraints under which prisoners exist, as well as the correctional institution's execution of its obligations to feed, clothe and house its inmates, combine to provide a subsidy in lowered costs of experimentation to pharmaceutical companies and other outside experimenters which is estimated to be a minimum of \$26.05 per subject-day at current costs.

Honors

Dr. Guy E. Rindone, professor and chairman of the ceramic science section in the Department of Material Sciences, has been elected a Fellow of the Society of Glass Technology, which, based in Sheffield, England, has membership from more than 50 nations and is recognized as the leading glass technology organization in the world.

The American Council of Learned Societies has awarded a grant of \$9,320 to **Dr. Alex Simirencu**, professor of sociology, for a research project on ethnic identity in inter-ethnic marriage. The study will focus on individuals who are products of ethnically mixed families and are, therefore, confronted with various combinations of ethnic identity. While there have been some studies of what happens to children of religiously mixed marriages, the social process at work in the inter-ethnic marriage is still largely unknown. The grant reflects the growing interest of scholars in social change among American ethnic groups.

Promotions

Dr. William A. Decker has been promoted to assistant professor of psychosocial science and psychology, Capitol Campus.

Dr. Lemuel Molovsky has been promoted to assistant professor of American studies and history, Capitol Campus.

Vol. 4, No. 44 is a weekly publication for the academic community at Pennsylvania State University, published each Thursday when classes are in session. General information for the time of publication should be sent to the editor by Thursday of the week preceding publication date, Room 212 Old Main. Editor: W. F. Ackerman Phone 865-7517

Staff vacancies

University faculty or staff members who are interested in any of the staff exempt or staff non-exempt jobs listed below may apply by calling Employment Division, 865-1387 (Network Line 475-1887). Do not contact the area having the vacancy. Applications will be accepted until 5 p.m.

JULY 24, 1975

Therapeutic Dietitian — Hershey Medical Center

Responsible to the Patient Nutritional Care Coordinator for maintenance of the nutritional status of patients by interpreting diet prescriptions, individualizing menu plans, evaluating food consumed and counseling in the application of the principles of nutrition to the selection of food. Bachelor of Science degree or equivalent in Foods and Nutrition or related field, preferable an ADA membership. Over one and up to two years of related experience.

Associate Hospital Administrator — Hershey Medical Center

Responsible to the Hospital Administrator of the Teaching Hospital of the Hershey Medical Center for the administration, implementation and coordination of various departments of the Teaching Hospital, particularly in the areas of medical, nursing, and other health services and various programs as assigned. Master's degree in

Funding Opportunities

For procedural and funding source information, call 865-1372.

JULY 17, 1975

(184-5) The OHEW Social and Rehabilitation Service supports public assistance research to discover, test, demonstrate, and promote utilization of new social service concepts.

Grants will be used to develop and test innovative and vulnerable populations such as the poor, the aged, children and youth. Project grants and research grants are supported. Unsolicited applications may be submitted at any time. Grants and contracts have ranged from \$10,000 to \$300,000. Individual project grants average about \$65,000 a year. (HR 4532)

(187-1) The Office of Education has issued proposed rules for the new Special Projects Act. Priority programs of grants and contracts will include: the metric education program, program of education for gifted and talented children, community education, career education, consumer education, women's educational equity, and arts education program. Discretionary funds will be used for contract research and testing of disadvantaged children of limited English-speaking ability, educational television programming, and career education. (HR 40872035-38, 6/25/75)

(187-2) The Office of Education has issued proposed criteria for the Arts Education Program. In addition to local education agency applications, the education agency may request supplemental and technical assistance to local education agencies. This information has been distributed. (HR 4087486-91, 6/30/75)

(187-3) The Office of Health Service (PHS) has issued rules and regulations for its Minority Biomedical Support (MBS) Program. An eligible institution must have a student enrollment with a disproportionate percentage of minority students (but not necessarily more than 50%) and must have a demonstrated commitment to ethnic minority faculty and students. This information has been distributed. (HR 40872561-62, 5/30/75)

(187-4) Head Start Program Performance Standards have been issued by the OHEW Office of Human Development. Included are education, health, social services, and parent involvement objectives. This information has been distributed. (HR 40872561-62, 5/30/75)

(187-5) The National Endowment for the Arts encourages early application under the Fellowships for Creative Writers program. (FY1976). Fellowships are for published writers of exceptional talent enabling them to set aside time for writing, research, and travel to advance their careers. Fellowships may be \$10,000, \$15,000, or \$20,000, marked by Sept. 1, 1975. Awards will be announced by May 1976. Guidelines are available. (The NEA Literature Program, Guidelines . . . FY1976)

(187-6) Funding opportunity resource information for research, instruction, and continuing education projects is available through R. Kohler, Resource Information Service, at 865-1372. Resource information covers Federal and State agencies, foundations, associations, and industry. Some of this information is released through this column, but more is available including a searching process to determine funding sources for project ideas. Agency contact information is also available. (For more information on the proposal process, call the above number for more information. (HR 1757-133, 1246, 1184, 1095, 80-3, 79-2).

(187-7) The Gerald Marshall Fund of the U.S. Dept. of State (Washington, D.C. 20505) invites applications for post-doctoral fellowships on contemporary and emerging problems connected to industrial societies, particularly their comparative political, social, and economic aspects involving U.S. and European interests. There is special interest in urban affairs, employment, conditions of work, land use, economic development, media, justice/crime prevention, comparative social policies. Application deadline is Nov. 1, 1975. Policy is to supplement sabbatical benefits up to normal salary. Fellowships for up to one year of research. Travel funds including travel costs by jet-coach for accompanying spouse and children are appropriate. For further information and application forms write to the address given above. (HR 75-10) (133-6).

Health Care Administration, or its equivalent, with four to seven years related experience as Assistant Hospital Administrator.

ROCKSTONE MANAGER Delaware County Campus

Responsible for purchasing, merchandising, inventory control, financial, and retail operation of the retail Rockstone Associates. Degree or equivalent with three to four years of related experience.

MAINTENANCE FOREMAN — Hazelton Campus
Responsible to the Business Manager for planning, scheduling, and supervising maintenance, repair, and up-keep activities of the Hazelton Campus physical plant and facilities. Supervise staff of maintenance workers. Associate in the performance of their assigned duties. High School diploma or equivalent with two years of trades training. Experience in maintenance of physical plant, building and grounds maintenance and construction. Supervisory experience highly desirable.

COUNSELOR (CAREER DEVELOPMENT AND PLACEMENT) — Beaver Campus

Responsible to the Dean of Student Affairs, to individual and group counseling, focusing primarily on educational/vocational concerns. Assist in career counseling and orientation. Provide consultation to other members of the staff, to campus and community. A Master's degree in Counselor Education or related field, with a minimum of two years of applicable professional experience.

(188-1) The Energy Research and Development Administration (ERDA) has issued rules and regulations for special methods of procurement. Procedure for program opportunity notices and unsolicited proposals for commercial development of energy resources are described. This information has been distributed. (HR 40872068-70, 7/3/75)

(188-2) OHEW rules and regulations will become effective August 6, 1975. Rules on discrimination in health-related training programs. The regulations have been distributed. (HR 40872871-76, 7/7/75)

(188-3) A Joint Canadian-U.S. Communications Technology Satellite (CTS) to be launched Dec. 1975 will be available for experimental application of communications problems. The National Library of Medicine (NLM) will receive one week per health-related applications, including education, communicating research results, teleconferencing, and professional consultation. Solicited health-related applications will be solicited with a July 31, 1975 deadline. . . NLM is also currently accepting Medical Library Resource Grants. (NLM Information Contact, Div. of Biomedical Information Support, Extramural Programs, NLM, 8600 Rockville Pike, Bethesda, MD 20814 (301-466-6221) (HR NIH Guide, Vol. 4, No. 6, 7/3/75)

(188-4) Proposed rules for grants to state educational agencies for programs to meet the special educational needs of migrating children has been issued by the Office of Education (OE). Rules include responsibilities, amounts available, and program requirements. This information has been distributed. (HR 40872062-28, 7/7/75)

(188-5) The Health Services Administration (HSA) has issued a statement of organization and function for the HSA Office of Child Development including the Head Start and Children's Bureau. This information has been distributed. (HR 40872657-59 7/8/75)

(188-6) Sept. 30, 1975 is the deadline date for "study fellowships" and "grants-in-aid for non-maternal research" of the American Council on Learned Societies (ACLS). Grants-in-aid will not exceed \$12,000 and are normally for 10 to 15 weeks under 36, who have taught two or three years after graduation. The purpose is to provide aid to students of humanities disciplines from the faculty member's present specialization. Grants-in-aid up to support significant humanistic research. Study fellowships will exceed \$3,000. (ACLS contact is Ms. Helen Goldsmith, Office of Fellowships and Grants, ACLS, 345 E. 46th St., New York 10017 (212-966-7333) (HR OEP deadline)

(188-7) Cooperative research and grant applications in social security provide financial support for research in income maintenance and health insurance. There are several suggestions for research under both programs. The deadline date is Sept. 10, 1975. The program contact is: Dr. Henry Brem, Chief, Research Grants Staff, Office of Research and Statistics, Social Security Administration, 400 North Capitol Street, LSHOE, P.O. Box 2361, Baltimore, Md. 21203 (301-594-0474).

(188-8) In its resolution on peer review information the National Science Foundation used two procedures: (1) an annual list of reviewers used by each Division, and (2) the availability of reviewer comments at the discretion of the Division. Unchanged are the procedures of broad representative participation of qualified reviewers and provision of reasons for the decision on proposals. (For NSF Important Notice No. 36, 6/20/75).

(188-9) Technological innovation in education (TIE) is supported by the National Science Foundation. Descriptive of innovative computer and electronic technologies and systems designed to improve the quality and efficiency of education. The program is open to all. NSF is provided for exploration, development, and evaluation. Preliminary proposals and letters of inquiry should be directed to TIE Group, NSF, 400 North Capitol Street, LSHOE, Baltimore, Md. There are no proposal deadlines but four months should be allowed for processing formal proposals. (HR NSF E76-6, June 1975)

REMINER AND DEADLINE DATES
Aug. 15 for NASA Life Science Program in Space (May 15 INTERCOM #170-10) . . . Aug. 15 for O.R.W.W. Cancer Fund fellowship grant program (NSF E76-6, June 1975).
Sept. 15 for NASA lunar scientific research proposals (July 15 INTERCOM #186-8) . . . Sept. 1 for NIH Research Career Development Grants (NSF E76-6, June 1975).
Sept. 19 for NIH Research Career Development Grants (May 20 INTERCOM #181-2)

AMITY program seeks families

The Office of Religious Affairs at the University is seeking area families to serve as "host families" for incoming freshmen students as part of its AMITY program.

The program, instituted two years ago, helps integrate Penn State freshmen into the larger community as well as into the campus community and provides the students with opportunities to become acquainted on a personal level with residents of the community.

It also is designed to provide residents with opportunities to participate in the life of the University and to create a climate of understanding and trust between students and community residents.

Under the program, families or individuals offer to serve as host families for freshmen, with each family becoming acquainted with at least one student.

The family may invite the student into the home, invite the student to participate in community activities, help celebrate special occasions such as a birthday, and help work out a problem or many other things that are normally done within a family.

The Office of Religious Affairs is coordinating the AMITY programs on a community-wide basis, obtaining and providing names and other relevant information about incoming freshmen as well as providing other materials and services to facilitate the program.

Area residents who wish to volunteer as host families may obtain registration forms by calling 865-6348. The form should be completed and returned to 105 Eisenhower Chapel at the University as soon as possible.

Effects on children in Philippines

Guthries make film on malnutrition

The effects of malnutrition on children in two Philippine villages are shown in a film, "Big Problems for Little People," prepared by Dr. George M. Guthrie, professor of psychology and Dr. Helen A. Guthrie, professor of nutrition.

Running 22 minutes in color with sound, the film surveys dietary habits in a country where even though plants grow year round as many as half the children have inadequate diets. This is the second film the Guthries have made for showing to University and other audiences. The first was called "Peasant Ecology in the Rural Philippines," and both are available from Audio-Visual Services of the University.

The first village is located in the mountains and grows rice on its spectacularly terraced hillsides. Sweet potatoes are produced on land unfit for rice.

Rice cultivation is depicted as the fishing methods used in a second seaside village located on an island in Manila Bay. Its population suffers almost entirely on fish.

The Guthries illustrate the lack of sanitation in the two villages, which, by exposing the children to repeated infections, may be a factor in arresting cognitive and physical development. There is some evidence that malnutrition also is an important contributing factor.

Infants who are breast fed do not exhibit the disorders affecting their older brothers and sisters. But after weaning, growth slows dramatically, skin disorders frequently appear, and the children may become lethargic.

The conclusion of the film shows three cases of malnutrition so severe that the children have been hospitalized.

Undergrad nursing students in clinics

A group of Penn State's undergraduate nursing students will begin receiving selected clinical experiences in Pennsylvania hospitals beginning with the Fall term.

Agreements between the Department of Nursing at the University and Hamot Medical Center in Erie and Geisinger Medical Center in Danville will enable the students to spend a ten-week term in one of the centers under the supervision of professional nurse preceptors who are members of the nursing staffs of the hospitals.

Faculty of the Department of Nursing, in collaboration with the preceptors, will work closely with the students prior to their

clinical experiences to establish their individual program objectives and outline areas of training. Nursing faculty will maintain contact with the students through the course of the training.

According to Dr. Janet Williamson, professor in charge of the Undergraduate Program in Nursing at the University, the program is expected to be expanded to involve more Penn State nursing students and other hospitals in the near future.

Hospital coordinators for the program are Mrs. Emma Jean Knapper, Director of Nursing at the Geisinger Medical Center and Perry Mahaffy, Director of Nursing Affairs at the Hamot Center.

Zubrod promoted at Altoona Campus

Jack G. Zubrod, who has been serving as interim director of the Altoona Campus since July, 1974, has been appointed associate director for academic affairs by the new director, Dr. Carson W. Veach.

Dr. Veach's appointment, effective July 1, was announced in late May after ap-

proval by the Board of Trustees.

A member of the faculty since 1946, when he was named instructor of botany and zoology at DuBois Center, then part of General Extension, Zubrod was appointed assistant administrative head of the Altoona Campus as well as assistant professor of botany in 1957.



Literally something for everyone is included in this year's Central Pennsylvania Festival of the Arts which begins today (Thursday) and continues through Sunday. One of this year's additions to the Festival is a Fiddlers' Competition, which will be held Saturday at 1 p.m. on the Old Main lawn (HUB ballroom in case of rain). The three musicians above, while not entered in the contest, have a significant role in it. Graduate students Matthew Guntzberg (left) and Bob Boyle (right) received a grant from the Pennsylvania Council on the Arts, for studies in comparative literature, and among the studies they are making is that of folk music. It happens that Samuel P. Bayard, professor emeritus of English, has been interested in folk music for four decades, and knows how to play a fiddle in appropriate folk style, so he has been made an honorary judge of the competition, which is expected to attract fiddlers from all over the state, and perhaps outside, as well.

To learn more of culture

Capital tour of Penna. German areas

A one week study-tour of Pennsylvania German Culture will be conducted by Capitol Campus from August 17 through 23.

The tour will begin on Sunday evening the 17th with a visit to a 19th century German home in Bambridge, and to St. Peter's Church in Middletown. The church was built in the 18th century by Henry Muhlenberg, father of American Lutheranism.

Meals will feature Pennsylvania Dutch cooking. Among the scheduled eating places are Groff's Farm Inn, Mt. Joy; Plain and Fancy Farm and Dining Room, near Intercourse; and the Shartlesville Hotel in Bethlehem.

The tour will visit Ephrata Cloister, an

18th century Protestant monastic community; the Pennsylvania Farm Museum at Landis Valley; three private 18th and 19th century homes; Bethlehem, the center of Moravian culture in America; and the Mennonite Historical Society.

During the tour three talks will be given: Dr. John Frantz, associate professor of American history at Penn State, will speak on "The German Church People"; Dr. Irwin Richman, chairman of the American studies program at Penn State-Capitol Campus will discuss "Pennsylvania German Architecture"; and a lecture-demonstration of "Pennsylvania German Furniture and Crafts," will be given by Claudia and Carroll Hopf. Mr. Hopf is director of the Pennsylvania Farm Museum.

Education summer lecture series open

The College of Education Summer Lecture Series was opened yesterday (July 16) by Dean of the College, Dr. Henry J. Hermanowicz. Other lectures in the series, which is scheduled for the benefit of both students and faculty, include:

- Dr. Ralph T. Heimer, professor of education, **Thurs., July 17**, at 2:20 p.m.
- Dr. Jane M. Singh, associate professor of education, **Tues., July 22**, at 12:45 p.m.
- Dr. Dale B. Harris, professor of psychology and human development, **Wed., July 23**, at 7:30 p.m.
- Dr. David G. Carter, associate professor of education, **Thurs., July 24**, at 3:55 p.m.
- Dr. Lester S. Golub, professor of education, **Tues., July 29**, at 9:35 a.m.

—Dr. M. Eloise Murray, assistant professor of home economics education, **Wed., July 30**, at 8:00 a.m.

—Dr. Harold E. Miltz, associate dean for research, **Thurs., July 31**, at 7:30 p.m.

All the lectures to be given in the Kern Bldg. auditorium are open to all interested persons. Those planning to attend are asked to obtain free tickets from Trudy Bodkin, 163 Chambers Bldg., or reserve them by telephoning her at 865-1808.

The series is sponsored each summer by the faculty and students of the College of Education, Phi Kappa and Phi Lambda Theta, education honor societies, and the Pennsylvania School Study Council.

President elected to association post

President John W. Oswald has been elected to a one-year term as president of the Pennsylvania Association of Colleges and Universities.

Dr. Oswald, who has been serving as vice president of PACU, began his term as president on July 1, succeeding Dr. Arthur L. Schultz, president of Albright College.

The Association, founded in 1896, represents 119 public and private institutions of higher education in the Commonwealth and provides a forum where college and university leaders can discuss common concerns.

PACU also is the agency through which the State's higher education community speaks on matters of public policy.

Other officers elected for one-year terms are Dr. Allen T. Bonnell, president of the Community College of Philadelphia, vice president, and Dr. Frederick P. Sample, president of Lebanon Valley College, secretary-treasurer.

New executive committee members elected to three-year terms are Dr. Lawrence Park, president of Mansfield State College, and the Rev. Sean Sullivan, president of St. Francis College.

Dahir, Henry gain research contract

Dr. Sabir Dahir, associate professor of engineering at Penn State-Capitol Campus, and Dr. J. J. Henry, associate professor of mechanical engineering at University Park, have won a research award from the United States Department of Transportation.

The award will sponsor research on friction and wear of highways. The specific program is entitled "Alternatives for Optimization of Aggregate and Pavement Properties Related to Friction and Wear Resistance."

The DOT award is for \$99,250 and extends from July 1, 1975 through March 31, 1977.

HUB Specials

- Monday, July 31** — Lunch, grilled ham and cheese, soup, \$1.20; dinner, chicken Brunswick, \$1.30.
- Tuesday, July 22** — Lunch, baked meatloaf, \$1.14; dinner, sweet-sour pork, \$1.39.
- Wednesday, July 23** — Lunch, barbecue-on-bun, \$.85; dinner, Salisbury steak with blue cheese sauce, \$1.39.
- Thursday, July 24** — Lunch, lasagne, \$1.39; dinner, stuffed flank steak, \$1.74.
- Friday, July 25** — Lunch, fishwich, soup, \$1.10; dinner, shrimp scampi, \$1.84.
- Saturday, July 26** — Lunch, chili con carne, \$1.74; dinner, spaghetti with meat balls, \$1.39.
- Sunday, July 27** — Dinner, pork chop Hawaiian, \$1.64; supper, apple trifles with sausage, \$.95.



In support of a transportation scholarship in the College of Business Administration, the ALCOA Co., represented by Charles A. Kelly (center) who is manager of transportation research and analysis, presented a check in the amount of \$750 to another Kelly, Dr. Eugene J. Kelly, dean of the College. Also present with the scholarship aid is Dr. John H. Coyle, head of the Department of Business Logistics.



College of Arts and Architecture dean Dr. Weller H. Weller (right) and Louis Silvi, manager of the Nittany Mountain Summer festival, examine the Nittany Mountain Summer poster, which is the area behind the reception desk. The poster, designed by Lanny Sommers, associate professor of art, activities for the special program begin Sunday, July 27, with a public reception in the Museum of Art and subsequent events will include performances by the Pennsylvania Ballet, Pennsylvania Orchestra, the Penn State Festival Theatre, the special "Five Pennsylvania Painters" exhibit in the Museum, and informal sessions with artists almost daily through August 16.

Ballet tickets on sale at festival

Advance sale of tickets for the Pennsylvania Ballet performances on Aug. 1 and 2, 8 and 9, and 15 and 16, will be offered at a special Nittany Mountain Summer booth in front of Schwab Auditorium during the Central Pennsylvania Festival of the Arts.

The Ballet will dance three different programs in six performances in University Auditorium during its summer residency at Penn State, presenting the same program on Friday and Saturday evenings and changing each week.

Only mail orders will be accepted by

the University Auditorium box office prior to this advance. The box office will open for general ticket sales for Nittany Mountain Summer on Monday, July 21, with daily hours from 10:30 a.m. to 4 p.m. Monday through Saturday, reopening at 6:30 p.m. on performance nights.

Hours for the Festival booth on the mall, which will also sell cotton tee shirts silk-screened with the Nittany Mountain Summer logo, will be 1 p.m. to 7 p.m., Thursday and Sunday, July 17 and 20, and 11 a.m. to 7 p.m., Friday and Saturday, July 18 and 19.

Women on increase in graduate studies

The number of women in graduate programs increased by nine percent last year at the University Park campus.

Among the 5,170 graduate students here, male enrollees declined by about five percent.

Overall, total Graduate School enrollment at the five graduate campuses rose slightly over the previous year to 6,300 students. Education and the social sciences experienced the largest growth, with 18 percent apiece. Sixteen percent elected the physical sciences.

Changes from Fall Term 1973 graduate enrollment figures show interest in the humanities and engineering decreasing slightly. These two areas have 12 and 11 percent of the total number of graduate

students respectively. The physical sciences registered slight gains, and the biological science remained the same with 11 percent.

Compared to the 1972-73 academic year, fewer doctoral degrees and more master's degrees were granted in 1973-74. In the latter year, 376 doctoral degrees and 1,582 master's degrees were conferred as compared to 424 doctoral degrees and 1,533 master's degrees in 1972-73.

The physical sciences accounted for 25 percent of the doctoral degree total, and education attracted 24 percent. The largest percentage of master's degrees were awarded in education with 29 percent and the social sciences with 21 percent.

While Wonderful Town continues

Anderson comedy opens at Pavilion



In "Wonderful Town" currently at Playhouse Theatre, Ruth (left) is played by Cathy Brewer-Moore and Eileen by Virginia Gregory.

While "Wonderful Town" is concluding its run at Playhouse Theatre, with performances Thursday through Sunday with a Saturday (July 19) matinee, a Robert

Anderson comedy, "You Know I Can't Hear You When the Water's Running," is opening tomorrow Friday, July 18, at Pavilion Theatre.

It's really a show of four plays, all presenting a tongue-in-cheek look at sex. The four plays are titled "The Shock of Recognition," "The Footsteps of Doves," "I'll Be Home for Christmas" and "I'm Herbert."

One of the featured players is a Penn State graduate, Edward Binns, who will also direct "Awake and Sing," which is part of the Festival Theatre program later in the summer. Binns has appeared in more than 900 television roles and has been on various stages for nearly two decades. His Broadway debut was in "Command Decision," in 1947-1949, following that up with a role in "Detective Story," which starred Ralph Bellamy. His most recent stage role was in "The Championship Season," performed in Florida. The cast for the four plays will also include Donald Buka, Carol Don, Anna Minot and Linda Alperst. Tickets are available at the Playhouse box office (in the Arts Building) or may be reserved by calling 865-1884.

"You Know I Can't Hear You When the Water's Running" will be performed Friday-Sunday, July 18-20 and July 22-26, at Pavilion Theatre.

Campus-community relations explored

Behrend meeting had education leaders

Institutions of higher learning do, and must, have much to offer the communities in which they are located — not only educationally, but culturally and socially.

These were among the main points brought by Eriettes in a panel discussion on "Community Expectations" during the recent National Invitational Conference of Regional and Branch Campus Deans and Directors.

The conference, hosted by Behrend College, drew more than 100 leading educators and administrators from major colleges across the country.

Overall theme of the June 24-26 conference was "Community-Campus and Campus-Community Relations."

Members of the local panel included: Donald M. Alstad, president, Lord Corporation, Erie, and a member of the Behrend Advisory Board; Robert F. Hellman, manager, professional relations and human resources training, General Electric, Erie; and Benjamin A. Lane, dean of student affairs at Behrend.

Alstad pointed out that industry is a large consumer of educated people who must be able to move useful knowledge into products and services.

He emphasized that industry wants people who are "learners not knowers . . . who are goal-oriented, not problem-oriented . . . who are tough-minded, able to make tough and disagreeable decisions . . . who are opportunity-oriented . . . with physical and mental vitality."

Colleges and universities have a primary responsibility to provide a continuous educational opportunity. They must provide their graduates with "quality, not quantity" education, with a well-rounded and broad education so they can make decisions, can see themselves and their responsibilities. And they must continue to offer this educational opportunity to those in their community.

"Give me learners . . . with the intent to learn as long as they live — or work; give me a graduate who will never cease to be a student," he concluded.

Communities have several expectations, Hellman noted, and he urged colleges to fulfill them to increase understanding and cooperation.

Colleges must participate in vitally need-

ed community involvement, and he suggested obtaining the best local people for boards and advisory committees. He encouraged faculty and administrators to mix with others in the community.

He advised "need" surveys to ascertain a better understanding of the community, what makes it tick, what will keep it growing and surviving, and what the college can do to assist.

He also suggested "exchange programs" between faculty and businessmen, each going to the other's place of work to talk and observe.

Colleges should teach certain fundamentals necessary to succeed in business, he emphasized, including courses in speed reading, writing (brevity) techniques, public speaking, group dynamics, and the ability to listen with distractions.

The college's chances for success are greater in a community-oriented program, he commented.

Dean Lane, a long-time contributor and supporter of the arts in the Erie community, brought out the growing responsibilities that colleges have to the arts.

"If the arts are to survive, then colleges may be the answer," he said.

Colleges have responsibility to the consumer of the arts, the artists themselves, and to posterity.

He pointed out that in Erie, for example, a large portion of live theater is provided by colleges. Throughout the country, colleges maintain some of the finest galleries, and offer some of the best cultural entertainment. The high cost of arts often prohibits this elsewhere.

The conference opened with a keynote address, "Quality and Quantity in Higher Education" by Ralph K. Hutt, executive director of the National Association of State Universities and Land-Grant Colleges, Washington, D.C.

He noted that the most important job facing college administrators today is "to hold on to what is old and good, while at the same time reach for new ideas in education." He also emphasized that while branch campuses have increased the quantity of education, the quality must not be overlooked.

Other Penn State participants included President Oswald, banquet speaker, Dr. Robert G. Quinn, and Dr. S. O. Ikenberry.

Baroque trumpet and organ in recital

Music for Baroque trumpet and organ will be performed by guest musicians Donald Smithers and William Neil at 8:30 p.m., Monday, July 21, in the Music Bldg. recital hall, sponsored by the Music Department.

Ten works will be presented by such composers as Frescobaldi, Stanley, Blow, Torelli, and Cazzati. The program will open with a fanfare by Reiche and will include Bach's "Prelude and Fugue in D Major," Handel's "Concerto in B Flat," and two Bach chorales and chorale fantasia.

The Baroque trumpet will be heard in

Monday's concert is a forerunner of the modern trumpet. It is smaller, higher in pitch, and it has a different valve system than today's instrument.

Donald Smithers is widely known as a specialist in the performance of Baroque and Renaissance music, both as a performer and a scholar.

William Neil is a graduate of Penn State and Syracuse universities and has studied organ with Leonard Raver, Arthur Polster, and Anthony Newman. He is devoted to the performance of early music and has performed recitals on both organ and harpsichord throughout the eastern U.S.



Alard quartet chamber music workshop

More than half a hundred musicians from New York, Maryland, Virginia, Washington, D.C., and Pennsylvania attended a Chamber Music Workshop recently led by the Alard Quartet, whose members are all associate professors of music. Directing and coaching for the workshop were Joanna Zegall and Donald Hopkins, violinists, Raymond Page, violist, and Leonard Feldman, cellist. As a continuing education service of the College of Arts and Architecture, assisted by the State College Symphony Orchestra, the event was planned to provide chamber music players an opportunity to meet in a stimulating atmosphere to play works from the chamber music literature under the guidance of experienced teachers and performers.

PENN STATE intercom

Volume 4, Number 45

July 24, 1975

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

Tuition rise, \$311 million budget approved

Room, board charges are also increased

Increases in tuition and in room and board charges at the University, effective with the Fall Term in September, were approved last Friday by the Board of Trustees of the University.

The tuition increase for residents of Pennsylvania at the University Park Campus is \$45 per year, or \$135 per academic year. For Pennsylvania residents at the Commonwealth Campuses; Behrend College at Erie; Capitol Campus at Middletown; and at the Graduate Center at King of Prussia, the increase is \$30 per term or \$90 per academic year. The increase for Pennsylvania students enrolled in the College of Medicine is \$167 per term or \$501 per academic year for medical students and \$45 per term or \$135 per academic year for graduate students enrolled at Hershey. Commenting on the tuition increase, President John W. Oswald said that in requesting a \$114.5 million appropriation for 1975-76, the University did so on the basis that there would be no tuition increase.

"When it became apparent the amount of the appropriation would be considerably under that requested, emphasis was placed on what was not raised, emphasis was placed on the study of opportunities for increase at the other State-related institutions and in determining where expenditures need be reduced without seriously cutting the quality of our programs. Realization of this became an important part of this program."

Dr. Oswald noted also that the percentage of increase approved at Penn State is similar to the percentages with increase at the other State-related universities, although the amount of increase at the others was greater. The University of Pitts-

burgh increase was \$140 per year and the Temple increase was \$150 per year. Both have higher tuition than Penn State for Pennsylvania students although tuition for medical students is nearly the same.

The new tuition rates for Pennsylvania residents for an academic year total \$1,095 for students at University Park and for non-medical students at Hershey; \$1,005 for students at the Commonwealth Campuses, Behrend College, Capitol Campus, and the King of Prussia Graduate Center; and \$2,001 for medical students at Hershey.

Tuition for non-Pennsylvania students will be \$2,295 per academic year at all locations except that out-of-state tuition for medical students at Hershey will be \$4,002.

The increase in room and board rates amounts to \$50 per term, including \$40 for room and board and a \$10 increase in the residence hall counseling fee. The rate for a student sharing a double room now becomes \$1,389 for an academic year, including the \$60 counseling fee. Single room rates are higher.

The trustees also approved a meal service providing 14 meals per week to benefit students who had requested but could not be assigned rooms at the University Park Campus. The rate for a ten-week term was set at \$25.

In addition to the increased tuition rates for full-time students, the trustees approved increased rates for part-time students. The cost per credit for Pennsylvania residents at University Park will increase from \$40 to \$45 and at other campuses from \$35 to \$36 with the rate for non-Pennsylvania students increasing from \$61 to \$56 per credit. For medical students, the rate per credit was increased from \$62 to \$83 for Pennsylvania residents and \$125 to \$167 for non-Pennsylvania residents. Rates for unit courses offered by Continuing Education services were increased from \$23 to \$25 per credit for Pennsylvania students and from \$24 to \$29 per credit for non-Pennsylvania students.

Revised patent policy approved

The Board of Trustees last Friday approved revisions of the University's policy regarding patents. The original policy, dated Jan. 18, 1926, has been revised from time to time. The latest revision is intended to encourage the development of commercially valuable inventions.

Among the provisions of the new policy is an increase in the inventor's share of royalties, which previously amounted to 15 percent of gross royalties. The increase would provide 50 percent of the first \$3,000; 25 percent of the next \$10,000; and 15 percent over \$13,000 of cumulative gross royalties.

Also approved are invention incentives that provide for The Pennsylvania Research Corporation (representing the University) and Research Corporation each to pay \$100 to the inventors for each invention accepted for patenting at the time of filing the first patent application. The Research Corporation, located in New York City, is a non-profit corporation founded in 1912, which promotes and supports scientific research, and also provides invention administration services for educational institutions. Penn State is one of 260 universities and colleges utilizing the services of Research Corporation.

The revision provides also that with the consent of the inventor, inventions having primarily governmental utilization are to be released directly to the Government agency for patenting to enhance the relationship with Research Corporation, since it will eliminate processing of invention disclosures which have little nongovernmental value.

The new policy provides also for a University Inventions and Patent Committee with representation from the faculty, administration, and active University inventors. The Committees will review the oper-

ation of the University Patent Policy and related procedures and render advisory opinions in the event of invention-related disputes.

Also an invention processed by the University and not accepted for patenting by Research Corporation will be released promptly to the inventors upon their request unless a conflict with sponsor provisions exists.

The trustees also authorized revision of the agreement between the University and The Pennsylvania Research Corporation and approved the proposed new agreement between The Pennsylvania Research Corporation and Research Corporation to implement the new policy adopted.

Also approved at the board meeting was a Trademark Policy. There has been no formal trademark policy in the past.

The new policy is based on the fact that the University has developed a reputation for established quality in the limited areas which relate to "trade," "origin of goods," and/or "services" and provides that the general policy shall be not to develop and register trademarks, but to use the name and/or seal of the University to indicate "origin of goods." Further, the best descriptive generic name for the "goods" will always be used also in order to describe accurately both the goods and their origin.

There is provision for development and registration of trademarks in special cases, with such exceptions to be approved by the Senior Vice-President for Finance and Operations.

The use of trademarks, coined words, designations of compounds and similar terms by faculty and staff members — which do not need trademark registration with either the Commonwealth of Pennsylvania or the U.S. Patent and Trademark Office shall be governed by the dean or administrative officer concerned.

Operations, maintenance to cost \$30 million more

The Board of Trustees has approved the 1975-76 maintenance and operating budget for the University, which amounts to \$311,252,000, an increase of \$29,382,000 over the \$281,870,000 budget, as adjusted, for the 1974-75 fiscal year.

Much of the increase reflected in the budget is related either to inflation or to partial provision for some increase in enrollments and operation of new facilities, said President John W. Oswald. The increase in the cost for fuel and utilities, for example, is estimated at \$2,950,000.

Proposed salary increases and mandated costs such as the escalating costs for retirement and other fringe benefits for employees also are major items of the increase.

Reminding that sources of income for the University are limited and many expenses are mandated, President Oswald said the University has tried to meet a part of the essential expense requirements, while minimizing necessary tuition rate increases, by the collapse of a substantial number of positions. This has resulted in budget reductions exceeding \$2,500,000.

He pointed out that the new budget, determined after careful analyses of all sources of revenue and of reduction in expenditures, wherever possible, is based, in part, on the anticipation of a State appropriation of \$103,365,000, the amount specified in the amended Senate Bill 771. Should the final appropriation amount differ from that projected in the budget approved July 18, the budget will be revised as appropriate, it was explained.

The Board at its May 30 meeting, in the absence of an appropriation bill for the new fiscal year, had authorized expenditures for the month of July at the 1974-75 budget level.

The authorized overall average salary increase will amount to approximately 8 per cent of the general fund salaries. It will be retroactive to July 1. A portion of the salary increase will be used for across-the-board basic increases to enable employees to cope with rising inflationary costs they face, while the remainder will be used for merit increases to recognize outstanding performance.

Costs for fringe benefits for employees, one of the items showing a major increase in the new budget, include the University's share of retirement costs, which has increased by \$4,540,000; Social Security costs increased by \$80,000; and group hospital and medical coverage costs, increased by \$819,000.

The budget lists additional revenues of \$5,987,000 from tuition increases, \$1,032,000 from projected enrollment increases, both at all campuses, and \$1,725,000 from the room and board charge increases, which supports the residence hall operations.

In the new budget, University funds, which include tuition and fees, department earnings, indirect costs, and revenues from the State appropriation as well as special Federal appropriations, increase from \$199,369,000 to \$224,455,000. Research funds increase from \$41,002,000 to \$41,951,000 while the budget for auxiliary enterprises moves from \$40,699,000 last year to \$44,846,000. The \$311,252,000 budget provides \$48,756,000 for operation of The Milton S. Eisenhower Medical Center, including the College of Medicine, and \$262,496,000 for all other University operations.

In approving the budget, the Board acted on recommendations from the Finance Committee of the governing body.

TIAA-CREF CONTRIBUTION RATE

On behalf of each faculty or staff member who joins TIAA-CREF, the University makes a contribution based on the maximum amount permitted by law. This amount is determined each year by the State Employees' Retirement Board based on an actuarial evaluation.

For the period July 1, 1974 through June 30, 1975, it was fixed at 7.6% of salary. The University has been notified officially by the Retirement Board that for the fiscal year 1975-76 the rate shall be 8.64%.

Calendar

July 24—August 3, 1975

SPECIAL EVENTS

Thursday-Saturday, July 24-26 — Penn State Festival Theatre, "You Know I Can't Hear You When the Waters're Running," 8 p.m., Pavilion Theatre.

Friday, July 25 — Commonsplace Coffeehouse, 8 p.m., Room 112 Kern.

Sunday, July 27 — Public opening reception for Nittany Mountain Summer and the "Five Pennsylvania Painters" Exhibit, 3-5 p.m., Museum of Art.

Sunday, July 27 — Interludia Folk Dance Club, 7:30 p.m., HUB terrace (in case of rain, ballroom).

Sunday, July 27 — Black Christian Fellowship worship service, 11:15 a.m., Eisenhower Chapel.

Wednesday, July 30 — Pennsylvania Orchestra Shiri-Sieve Concert, 8 p.m., University Auditorium.

Friday, August 1 — Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

Friday-Saturday, August 1-2 — Pennsylvania Ballet, "Madrigalesco," "Concerto Grosso," "After Eden," "American Rhapsody," 8 p.m., University Auditorium.

Friday-Sunday, August 1-3 — Penn State Festival Theatre, "Giri Grazy," 8 p.m., Playhouse Theatre.

Saturday, August 2 — At Ease with the Pennsylvania Ballet, "The Making of a Dancer," 4 p.m., University Auditorium.

Sunday, August 3 — Black Christian Fellowship worship service, 11:15 a.m., Eisenhower Chapel.

SEMINARS

Friday, July 25 — Mineral Processing, 4 p.m., Room 301 Mineral Industries. Dr. John C. Williams, chemical engineering department, University of Bradford, England, on "Problems in the Handling and Storage of Particulate Solids."

Thursday, July 31 — Agronomy, 3 p.m., Room 301A Agricultural Administration. Dr. C. E. Marshall, University of Missouri, on "Solution Equilibria in a Soil Profile."

LECTURES

Thursday, July 24 — College of Education, David Carter, educational administration, on "The Courts and the Schools," 3:55 p.m., Room 112 Kern.

Friday, July 25 — Department of Material Sciences, Professor A. R. Ubbelohde, chemical engineering and chemical technology, Imperial College, London, on "Liquid Organic Salts — A Novel Class of Molten Crystals," 11 a.m., Room 301 Mineral Industries.

Friday, July 25 — College of Education, Lester Golub, education, on "Education in the Subcultures," 9:30 a.m., Room 112 Kern.

Wednesday, July 30 — College of Education, M. E. Murray, home economics education, on "Insights about World Population," 8 a.m., Room 112 Kern.

Thursday, July 31 — College of Education, Harold Mitzel, associate dean for re-

(Continued on page two)

Death

Dr. Herbert A. Wahl, who retired in 1966 as professor emeritus of botany, died July 16; he was 75. Born in Rochester, Pa., he was graduated from Penn State in 1925 with a degree in horticulture and the following year joined the faculty as instructor. He obtained advanced degrees in botany from Penn State also. He was away from the campus only for a year while pursuing his doctorate and in the late forties spent three years at the University of Pennsylvania where he collaborated with a colleague there in research on wild life plants of the state. For most of his career he was absorbed in studies of Pennsylvania flora and wrote extensively on the subject. He taught general botany and taxonomy.

Retirement

Arthur I. Marindale, associate professor of engineering at the University's Delaware County Campus, retired July 1 after eight years of service. He was among the first seven full-time faculty members hired at the campus when it began operations in 1967, and is the first person at the campus to retire. He was group leader for the Mechanical Engineering Technology program and also taught baccalaureate-level engineering courses at the campus. He received a bachelor of arts degree in mathematics, a bachelor of science in civil engineering, and a technical degree of civil engineering, all from the University of Pennsylvania. Prior to joining the University, Marindale was a staff construction engineer for the School District of Philadelphia, a plant manager for Eastern Schokete Corporation, Brandywine, Md., and chief engineer for the Warner Company.

Faculty Notes

Dr. G. W. Burnham, head of the department of geosciences and Dr. Arnulf Muan, professor of mineral sciences, attended a special meeting on earth sciences at the White House this week. Dr. Burnham represented the Geochemical Society as its immediate past national president and Dr. Muan represented the Mineralogical Society of America of which he is now national president. The meeting was organized through the American Geological Institute to bring together earth scientists and high government officials to discuss national concerns about future shortages of critical materials and means of making the U.S. less dependent on foreign suppliers.

Dr. Richard Herman, associate professor of mathematics, has been awarded a research fellowship by the Alexander von Humboldt Foundation of the Federal Republic of Germany and will spend the 1975-76 academic year conducting research in mathematical physics at the Universitat Bielefeld. These fellowships enable scholars to lecture and conduct research in Germany, and about 20 are awarded worldwide in mathematics.

Dr. L. E. Cross, professor of electrical engineering and associate director of the Materials Research Laboratory, is in Japan as part of the U.S. delegation in a Joint Japan-U.S. Seminar on electrical and magnetic ceramics, sponsored by the National Science Foundation. While in Japan he will lecture at the University of Hokkaido, the Hitachi and Toshiba companies, the Research Laboratories of Nippon Telegraph Co., and the Tokyo Ceramic Society.

Honors

Dr. John E. Baylor, professor of agronomy extension, has received the 1975 Extension-Industry Award of the Northeastern Branch, American Society of Agronomy. He was given a plaque at the association's annual meeting in Guelph, Ontario. A member of the Extension staff since 1957, he was previously awarded the Merit and Medallion Awards of the American Forage and Grassland Council, the Zur Craine Award of the National Silo Association, and the Gamma Sigma Delta Extension Award.

At the same American Society of Agronomy meeting, Dr. Louis T. Kardos, professor of soil physics, was given the research award of the Society. He has been coordinator of the wastewater renovation and conservation research program at Penn State.

Fukuyama to head religious studies

Dr. Yoshio Fukuyama, professor of religious studies, has been named head of the Department of Religious Studies.

A member of the faculty since 1967, Dr. Fukuyama replaces Dr. Luther H. Harshbarger, who has resigned to devote full time to teaching and research.

Author of numerous articles in professional journals, Dr. Fukuyama also has written two books, "The Ministry in Transition: A Case Study of Theological Education," and with Thomas Campbell, "The Fragmented Layman: An Empirical Study of Lay Attitudes."

This spring he received an honorary doctor of divinity degree from his alma mater, Doane College, where he earned a baccalaureate degree in economics in 1943. Dr. Fukuyama holds a bachelor of divinity degree and a master's degree in the sociology of religion from the University of Chicago.

He was an instructor at Union Theological Seminary and served as associate director of the Church Federation of Greater Chicago's Bureau of Research and Planning. He also was director for research for the United Church Board for Home Land Ministries in New York City.

During 1973-74, Dr. Fukuyama was visiting professor of the sociology of religion at The Doshisha University, Kyoto, Japan, a research fellow at the Center for the Study of Japanese Religions in Kyoto.

At Penn State, he has been a special adviser to the Educational Opportunities Program as well as serving on the East Asia Studies Committee and the Social Science Council. He also has served as graduate officer in the Department of Religious Studies.

CALENDAR —

(Continued from page one)

search and graduate study, College of Education on "The New Structure for Research in Education," 7:30 p.m., Room 112 Kern.

FILM

Thursday-Sunday, July 24-27 — ARHS film, "Play It Again, Sam," 8 and 10 p.m., Findlay Rec. Room.

Thursday-Sunday, July 24-27 — PSORM film, "Fantastic Planet," animated cartoon, 8 p.m., Room 105 Form.

Wednesday, July 30 — Commonsplace Theatre, "What's New Pussycat?" 7:30 and 9:30 p.m., Room 112 Kern.

Thursday-Sunday, July 31-August 3 — ARHS film, "The Great Gatsby," 8 and 10:30 p.m., Findlay Rec. Room.

EXHIBITS

Museum of Art — Linda Plotkin, "Bellefontaine Glasshouse: Evolution of Print" Gallery A. Twenty paintings on wood panels from Allentown Museum of Art Samuel H. Kress Collection, Gallery C. Selections from the Permanent Collection, Gallery C.

Zoller Gallery — Central Pennsylvania Festival of the Arts Invitational Art Exhibition.

Kern Gallery — Emerson and Roslyn Horace, Navajo and Hopi Indian jewelry. Functional and non-functional ceramics by Jean Stevens, and Shoshko Fukuyama. Ernest Beinhart, photography, opening July 21.

HUB Gallery — Central Pennsylvania Festival of the Arts exhibition of children's art and young adults' arts and crafts.

Pattee Library — Central Pennsylvania Festival of the Arts, Arts and Religion.

Purchases cries help!

HELP! An avalanche of requests for information and "preferred rate cards." It was not anticipated Purchases would receive hundreds of requests. We are attempting to be of assistance, primarily with chains who offer required or business travel discounts. Independent motel information is unavailable. Purchases is unable to provide a full fledged travel service — much as we'd like to. "Preferred rate cards" are for individual chains — they are not a single University card honored by all who give rates. Please be patient! As additional cards are received, they will be distributed. Address all future requests in writing to Joan Everhart, Department of Purchases, 219 Shields Bldg. (No phone requests).

RESERVE LISTS

Faculty are encouraged to submit their Fall Term Reserve Reading Lists as soon as possible, since lists are processed strictly in the order in which they are received. Only required readings, which will circulate either for a two hour period or for an overnight loan period, will be placed on reserve.

Typewritten lists should be submitted on reserve forms which are available by mail or in person from the Undergraduate Library, W11 Pattee Library.

Other Board of Trustees actions noted

In other actions, the Board of Trustees at its meeting last Friday:

—Authorized awarding of contracts for landscaping the Allen Road entrance to the campus at the Business Administration Building. Private gifts, of which a substantial amount has already been given by Herman G. Fisher, Distinguished Alumnus of the University, will finance the project.

—Approved preparation of a development plan of wooded areas, including a nature trail, at Berks Campus, Reading. The development will include a 21-acre site at the northern end of the campus, and will include a limited outdoor educational and recreational program.

—Authorized purchase of ten acres of land adjacent to the Rock Springs Experimental Farm, currently owned by Pearl E. and Anna K. Leidy.

—Announced the sale at public auction of 1.49 acres of the Hill tract in College Twp., along the old Housserville Rd.

—Approved a joint educational program for training respiratory therapy students between St. Joseph Hospital of Lancaster and the Hershey Medical Center. The agreement is similar to those providing training

for physical therapy students now in effect with the University of Pennsylvania, University of Pittsburgh, and Temple University.

—Approved a combined residency program to train specialists in obstetrics and gynecology involving the Hershey Medical Center and the Harrisburg Hospital and Harrisburg Polyclinic Hospital. The action merges existing residency programs at the three hospitals and will be known officially as the Penn State University Affiliated Obstetrics and Gynecology Residency Program.

—Authorized the President of the University or the President of the Board to invite a student representative and a faculty representative to participate in the discussion of agenda items at future Board meetings.

—Authorized the Beaver County Commissioners to construct on the Beaver Campus an outdoor amphitheatre and other facilities to be known as the Brodhead Cultural Center. On a 5.4 acre tract at the southeast corner of the campus, an unoccupied five-room building will be converted to a museum, enlarging the facilities of the Millcreek Valley Historical Association, which will be available to the general public.

Nittany Mountain Summer arrives

Music, ballet, theatre, exhibits featured

Penn State's annual celebration of the visual and performing arts, Nittany Mountain Summer, opens Sunday (July 27) when a free public reception will be held in the Museum of Art to mark the opening of the exhibit, "Five Pennsylvania Painters."

Also within the next week, the Pennsylvania Orchestra will give one of its three Wednesday evening public performances called "shirt sleeve" concerts at 8 p.m. in University Auditorium. Last year the orchestra played before a jam-packed Schwab Auditorium and many were turned away. Free tickets for the performances this year may be obtained ahead of time at the box office of the larger Auditorium between 10:30 a.m. and 4 p.m. daily except Sunday.

In its second season, Nittany Mountain Summer will again combine professional theatre, dance, concerts, and exhibitions for almost daily events through August 16. All of the programs during the three weeks will be open to the public, except the evening performances of the Pennsylvania Ballet and the plays in the Penn State Festival of American Theatre.

Returning to its summer home at Penn State will be the highly acclaimed Pennsylvania Ballet to perform contemporary and classical dance on Friday and Saturday evenings, August 1 and 2, 8 and 9, and 15 and 16, at 8:00 p.m. in University Auditorium.

The Museum of Art, "Five Pennsylvania Painters" will be represented by works drawn together for the first time for Nittany Mountain Summer. The show will exhibit a wide variety of styles, techniques,

and interpretations by five established artists on the current Pennsylvania art scene.

Penn State's Festival of American Theatre is again staging a season of classic American plays in its fifth year of a Bicentennial commitment to the nation's theatre heritage.

At the heart of Nittany Mountain Summer is the series of informal contains between the artists and visitors provided in afternoon sessions in the theatres, auditoriums, and galleries. Behind the Scenes with the Festival Theatre will be held at 3:00 p.m. on Friday, August 8, in the Playhouse for "Girl Crazy" and on Friday, August 15, for "Awake and Sing."

At Ease with the Pennsylvania Ballet will introduce the audience to Benjamin Harkavy, Pennsylvania Ballet artistic director, as he leads informal sessions with dancers to illustrate choreography, rehearsal, and performance at 4:00 p.m. on August 2, 9, and 16 in University Auditorium. In Museum tours, guides will discuss the artists and their work in a tour of current exhibits at 1:00 p.m. every Friday, Saturday, and Sunday during Nittany Mountain Summer.

Nittany Mountain Summer is made possible by grants from the Penn State Office of Gifts and Endowments, the Pennsylvania State Council on the Arts, and the National Endowment for the Arts, a federal agency.

Applications for the Pennsylvania Ballet performances are available at the University Auditorium box office from 10:30 a.m. to 4 p.m. daily except Sunday.

Staff vacancies

University faculty or staff members who are interested in any of the staff exempt or staff non-exempt jobs listed below may apply by calling Employment Division, 885-1387 (Network Line 475-1387). Do not contact the area having the vacancy. Applications will be accepted until 5 p.m.:

THURSDAY, JULY 31, 1975
DIRECTOR OF NURSING SERVICES — Hershey Medical Center

Responsible to the Hospital Director for the efficient operation of the Nursing Department. Responsibilities include planning, organizing, staffing, in-service and budget. Position requires a Master's degree or equivalent in Nursing Administration and a minimum of five years progressively responsible administrative experience. Experience in a university hospital is desired.

WAGE/SALARY CLASSIFICATION ANALYST — Hershey Medical Center

Confer with Department Chairmen, Department Heads, Supervisors, and employees to gather information for the review and evaluation of existing position or evaluation of new position. De-

velop job descriptions based upon compiled data to reflect duties and responsibilities to be performed. Classify position descriptions under provisions of Fair Labor Standards Act to determine exempt or non-exempt status and appropriate evaluation plan. Determine salary and grade within the college, technical, and professional scales. Give three years applicable experience. Determine degree or equivalent or a minimum of two years administrative experience is required, preferably in job evaluation and classification activity.

COUNSELOR, STUDENT AFFAIRS — University Park

Responsible to the Director of the Career Development and Placement Center for providing assistance and/or consultation to any student who requests help in planning or implementing a career plan. Assist in the development and delivery of life/career education and outreach programs. Master's degree or equivalent in counseling psychology or related field and, plus three years applicable experience (educational/vocational counseling).

The University is an Equal Opportunity Employer.

PENN STATE intercom

Volume 4, Number 46

July 31, 1975

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

Instruction cut by \$657,000 in final bill

Legislature approves \$102.7 million

The Legislature on July 24 approved an appropriation of \$102,708,000 for the University for the 1975-76 fiscal year and sent the bill to the Governor who has ten days to act on it.

The bill, originating as Senate Bill 771, provided for an appropriation of \$103,365,000. In the House, the amount for instruction was reduced by \$657,000 and the Senate on Thursday concurred in the House action, moving the bill to the Governor for signature.

The reduced amount will necessitate some revision in the 1975-76 budget approved on July 18 by the Board of Trustees, which was based on the \$103,365,000 amount, but the basic budgetary guidelines in regard to salary adjustments for employees and to tuition will not change. Salary increases will be retroactive to July 1, and it is expected the Aug. 29 and Aug. 31 checks will reflect the increases. A check for the retroactive pay should be available early in September.

As now approved by the Legislature, the bill provides \$71,593,000 for instruction; \$1,760,000 for student aid; \$17,064,000 for research; \$9,626,000 for extension and public service; and \$2,665,000 for medical programs. It allows for 5 per cent flexibility in transferring funds from one line item to another.

Provisions to prohibit tuition remission for University employees and their dependents and also to require a five per cent retrenchment of personnel which appeared in the original version of the appropriation bill were dropped from the legislation as finally approved by the General Assembly.

Calendar—July 31 to August 10, 1975

SEMINAR

Thursday, July 31 — Agronomy, 3 p.m., Room 301A Agricultural Administration. Dr. C. E. Marshall, University of Missouri, on "Solution Equilibria in a Soil Profile."

LECTURE

Thursday, July 31 — College of Education, Harold Mitzel, associate dean for research and graduate study, College of Education, on "A New Structure for Research in Education," 7:30 p.m., Room 112 Kern.

Monday, Aug. 4 — Material Sciences, Prof. John Thomas, University College of Education, "Characterization and Consequences of Defects in Organic Solids," 11:00 a.m., Room 301 Mineral Industries. Monday, Aug. 4 — Material Sciences, Prof. H. P. Boehm, University of Munich, Germany, "Molecular Sieve Carbons from Carbides," 4:00 p.m., Room 301 Mineral Industries.

Tuesday, Aug. 5 — Material Sciences, Prof. Erich Fritzer, Karlsruhe University, Germany, "Silicon Carbide Fibers and Composites Made Therefrom," 9:30 a.m., Room 301 Mineral Industries.

Thursday, Aug. 7 — Material Sciences, Dr. Kazuo Kobayashi, National Industrial Research Institute of Kyushu, "Summary of Research Activities on Carbon," 11:00 a.m., Room 301 Mineral Industries.

Friday, Aug. 8 — Material Sciences, Dr. Kazuo Kobayashi, National Industrial Research Institute of Kyushu, "Summary of Research Activities on Carbon," 11:00 a.m., Room 301 Mineral Industries.

Friday, Aug. 8 — Material Sciences, Dr. Theodore Davidson, Xerox Corporation, Rochester, New York, "Micromechanics of Deformation Yielding and Texture Development in PTFE," 2:00 p.m., Room 244 Deike.

SPECIAL EVENTS

Friday, Aug. 8 — Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

Friday-Saturday, Aug. 1-2 — Pennsylvania Ballet, "Madrigalesco," "Concerto Grosso," "After Eden," "American Rhapsody," 8 p.m., University Auditorium.

Friday-Saturday, Aug. 1-2 — Play, "You're A Good Man, Charlie Brown," by Graduate Student Association, 7 p.m., both days, and 1 p.m. Saturday, outdoors, Fisher Place. Rain date, Aug. 3, 1 and 7 p.m.

Friday-Sunday, Aug. 1-3 — Penn State Festival Theatre, "Girl Crazy," 8 p.m., Playhouse Theatre.

Saturday, Aug. 2 — At ease with the Pennsylvania Ballet, "The Making of a Dancer," 4 p.m., University Auditorium.

Sunday, Aug. 3 — Black Christian Fellowship worship service, 11:15 a.m., Eisenhower Chapel.

Monday, Aug. 4 — Outdoor concert, The Dance Band, 7 p.m., Fisher Place.

Tuesday-Sunday, Aug. 5-10 — Penn State Festival Theatre, "Girl Crazy," Playhouse Theatre, Tuesday-Saturday at 8 p.m., Saturday matinee, 2 p.m., Sunday at 7:30 p.m.

Wednesday, Aug. 6 — Pennsylvania Orchestra Shirt-Sleeve Concert, 8 p.m., University Auditorium.

Friday, Aug. 8 — Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

Friday, Aug. 8 — Behind the scenes of "Girl Crazy," 3 p.m., Playhouse Theatre.

Friday-Sunday, Aug. 8-10 — Penn State Festival Theatre, "Awake and Sing," Pavilion Theatre, Friday-Saturday at 8 p.m., Sunday at 7:30 p.m.

Friday-Saturday, Aug. 9 — Pennsylvania Ballet, "Recital for Cello and 6 Dancers," "In Retrospect," "Raymonda Variations," 8 p.m., University Auditorium.

Saturday, Aug. 9 — At ease with the Pennsylvania Ballet, "The Choreographer's Craft," 4 p.m., University Auditorium.

Sunday, Aug. 10 — Interludia Folk Dance Club, 7:30 p.m., HUB terrace (in case of rain ballroom).

Sunday, Aug. 10 — Black Christian Fellowship worship service, 11:15 a.m., Eisenhower Chapel.

FILMS

Thursday-Sunday, July 31-Aug. 3 — ARHS film, "Romeo and Juliet," 8 and 10:30 p.m., Findlay Rec Room.

Wednesday, Aug. 6 — Commonsplace Theatre, "A Funny Thing Happened on the Way to the Forum," 7:30 and 9:30 p.m., Room 112 Kern.

Thursday-Sunday, Aug. 7-10 — ARHS film, "Monkey Business," 8 and 10 p.m., Findlay Rec Room.

EXHIBITS

Museum of Art — Linda Plotkin, "Bellefontaine Courthouse: Evolution of a Print," Gallery A. Five Pennsylvania Painters, Gallery B. Twenty paintings on wood panels from Allentown Museum of Art Samuel H. Kress Collection, Gallery C. Selections from the Permanent Collection, Gallery C.

Zoller Gallery — Central Pennsylvania Festival of the Arts Invitational Art Exhibition, until Aug. 7.

Kern Gallery — Ernest Beinhardt, photography, until Aug. 9. Nabil El Hussein, multi-media, opening Aug. 10.

HUB Gallery — Central Pennsylvania Festival of the Arts exhibition of children's art and young adults' arts and crafts, until Aug. 8.

News in Brief

CATASTROPHIC CARE FUND

At the Hershey Medical Center, the Catastrophic Care Fund has helped seven families, with grants totalling \$12,265 and individual grants ranging from \$600 to \$3,000. The families aided live in Centre Clinton, Franklin, Lebanon and York Counties. Last November five other grants, totally \$5,500, were made. The Fund is an accumulation of gifts made by area businessmen, industries, and individuals to provide financial relief from extraordinary burdens resulting from care and treatment at the Center. One heart patient, for example, whose wife is a cancer victim, was aided; another was the family of a premature baby who was in the Center's infant intensive care unit for nearly two months.

STUDENT WORK STUDY PROGRAM

The University has received \$238,000 in additional Federal funds to give employment to students under the Federal College Work Study Program. To qualify for the Work Study Program, students must be financially needy, and the program provides a work experience related to the student's area of study. The University adds to the Federal funds by allocating 20 per cent of the student's wages.

DEGREES AWARDED

The University awarded a total of 11,014 degrees during the academic year just con-

cluded; since the University began, as the Farmer's High School in pre-Civil War days, 192,567 degrees have been granted, nearly half of them since 1964. Of this year's total, 7,756 were bachelor's degrees, 1,263 were associate degrees, 1,526 were master's degrees, and 469 were doctorates.

LOAN FUND

A new student loan fund has been established for College of Medicine students at the Hershey Medical Center. The new fund has been developed with reserve funds made available through the University's withdrawal from the United Student Aid Loan Fund. Noting a concern over possible decline in financial aid for medical and health profession students, University officials said the new fund will develop into a larger loan program for these students... Under the plan, approximately \$200,000 will be available in the loan program to provide financial assistance for medical students.

EXHIBITION AND SALE

An exhibition and sale of approximately 600 original prints from the Ferdinand Roten Galleries collection will be held from 10:30 a.m. to 5 p.m. on Friday, Aug. 1, in the main lounge of the Hetzel Union Bldg. at the University. Presented along with prints by Picasso, Goya, Renoir, and Hogarth will be works by many contemporary artists. The show is sponsored by the Hetzel Union Bldg. arts and crafts committee.

Music, dance, painting featured

Arts continue in campus spotlight

Athletics from soccer to karate are the subject of "Concerto Grosso," one of four dances to be performed by the Pennsylvania Ballet at 8:00 p.m. Friday and Saturday, August 1 and 2, in University Auditorium during Nittany Mountain Summer.

The lighthearted, balletic look at sports by Charles Czorny, a choreographer whose works are in international demand, is set to Handel's "Concerto Grosso, Opus 6, No. 5" and features dancers engaged in such other athletic pursuits as boxing, skating, and warm ups.

Also on the program for the first weekend performances are "Madrigalesco," choreographed by Pennsylvania Balletistic director Benjamin Harkavy to music by Vivaldi, Butler's "After Eden," and "American Rhapsody."

Ballet tickets for performances on Aug. 1 and 2, 8 and 9, and 15 and 16 are available at the University Auditorium box office from 10:30 a.m. to 4:00 p.m. Monday through Saturday. The box office will reopen at 6:30 p.m. on performance nights.

The Pennsylvania Orchestra, which is here for three weeks during the Nittany Mountain Summer program, will give two more short-season concerts in University Auditorium, August 6 and 13. The first concert was given yesterday, July 30.

Maurice Kaplow, who is music director for Pennsylvania Ballet for which the orchestra provides music in performance, will conduct the orchestra in its concerts and will also give informal comments on the selection of music, ranging from medieval to contemporary.

Seating is on a first-come basis; tickets (free) are available at no cost at the

University Auditorium and Festival Theatre box offices, and if any remain on the day of the performance, they will be available at the door of the auditorium.

Grants from the Pennsylvania Council on the Arts, the National Endowment for the Arts, and Penn State's Office of Gifts and Endowments make possible the free concerts.

An exhibition of the works of "Five Pennsylvania Painters" opened last Sunday in the Museum of Art.

Each of the painters — Neil Anderson, Morris Berd, Elizabeth Osborne, Lois Kaufman, and Donald DeMauro — is showing six to nine works. Anderson is at Bucknell University, Berd at the Philadelphia College of Art, Miss Osborne at the Pennsylvania Academy of Fine Arts, DeMauro at Hargreaves College, SUNY at Binghamton, and Mrs. Kaufman at Duquesne University.

The painters' work varies in style from the abstract to the literal representation. Subjects in the show include a wide range of subjects, from DeMauro's self-portraits and Osborne's landscapes to Kaufman's "Yellow Squares." Among Berd's paintings will be his "Pennsylvania Barn," with Anderson exhibiting a series of seven works, each titled "Ground Painting."

"Five Pennsylvania Painters" is the first joint exhibition by the five painters, all of whom have exhibited extensively and are represented in numerous public and private collections.

Free tours of the exhibition will be conducted every Friday, Saturday, and Sunday at 1:00 p.m. through Nittany Mountain Summer ending August 16. "Five Pennsylvania Painters" will be on view through September 7.

Mueller honored

Dr. Erwin W. Mueller, Evan Pugh research professor of physics, has been awarded a honorary doctorate from Claude-Bernard University, Lyon, France, to his already long list of international honors.

The doctorate was conferred on Prof. Mueller June 24 as part of a special program to mark the 200th birthday of physicist Andre-Marie Ampere.

Prof. Mueller, a member of the National Academy of Sciences, was cited as "the inventor of the field ion microscope which enabled him to see the individual atoms of metal surfaces for the first time" and as "the originator of almost all the techniques and applications of his microscope."

Due to an illness, Prof. Mueller was unable to attend the ceremonies. The insignia of the honor, a scroll, medal, and emerald-trimmed ceremonial stole, were accepted for him by Kenneth W. Burke, a representative of the American Consulate General in Lyon.

Pivot Published

The 25th anniversary edition of "Pivot," the poetry magazine founded by Joseph L. Grucci, retired associate professor of English at the University, has just been published.

A non-subsidized, self-supporting "little magazine," "Pivot" has printed not only student work but also poetry written by many University faculty and staff as well as by such distinguished outsiders as former Senator Eugene J. McCarthy.

"Pivot" grew out of the successful Poetry Workshop which Grucci conducted at Penn State. The current issue includes both new poetry and reprints from earlier editions. Among Penn State contributors are John A. Balaban, assistant professor of English; Jack B. McManis, assistant professor of English; Hans Neuberger, professor emeritus of meteorology; and Stanley Rosen, professor of philosophy.

Also Jo C. Searles, assistant professor of English (Altoona); John E. Haag, associate professor of English; Deborah S. Austin, professor of English; G. Brant Shoemaker, Jr., associate professor of English (Gogotz); and Robert F. Lima, Jr., professor of Spanish and comparative literature.

In writing

"Buddhism: A Modern Perspective," edited by Dr. Charles S. Prebish, assistant professor of religious studies, is the latest publication of The Pennsylvania State University Press. An attempt to supply a comprehensive introductory text for students with no prior knowledge of Buddhism, the book also includes several topics previously untouched by introductory volumes on Buddhism. These include a separate treatment of Buddhist councils, a section on Hinayana sects, and a full discussion of the Tripiṭaka or Buddhist canon. Buddhism outside India is treated in chapters on China, Japan, Ceylon, Tibet, Southeast Asia and Korea. In addition, Buddhism and the West is considered, and an appendix has been compiled with a partial listing of representative Buddhist groups in the United States. In addition to editing, Dr. Prebish prepared nine of the book's 45 chapters and helped assemble the appendix. A member of the faculty since 1971, he also is the author of "Buddhist Monastic Discipline," published earlier this year by the Press.

GSA stages outdoor play this weekend

Three performances of "You're A Good Man, Charlie Brown" will be staged by the Graduate Student Association Aug. 1 and 2 outdoors in the Herman G. Fisher Plaza courtyard between Kern and Chambers Bldgs.

Evening shows at 7 p.m. will be held both days and a Saturday matinee, to which students are especially invited, will be held Saturday at 1 p.m. There is no admission charge for any performance. Rain dates are 7 p.m. and 1 p.m. Sunday, August 3.

This is a musical play based on the Peanuts characters of the Charlie Schultz comic strip. Charlie Brown will be played by Sam Rudy, a student majoring in English who is past president of Penn State

Appointment

Dr. Gary Mullen, as assistant professor of mathematics at the Shenango Valley Campus. He received both advanced degrees from Penn State, the Ph.D. only last year. While obtaining the degree, he taught math and was a graduate assistant.

Dr. Robert E. Weber, as assistant professor of mathematics at the Shenango Valley Campus. He has been assistant professor of mathematics as Indiana University Southeast and previously had served as lecturer in mathematics at Southern Illinois University. His Ph.D. degree was granted by Indiana University.

Dr. Samuel Kotz, professor of mathematics at Temple University, is visiting the University this summer as an adjunct professor of statistics. A specialist in statistical distribution theory, Dr. Kotz is working with Dr. G. P. Patil, professor of mathematical statistics, on the contents of a new course to be called The Art of Guessing — Statistical Thinking.

John C. Cosgrove, Jr., a 1938 Penn State graduate in mining engineering with an extensive background in the mining industry abroad, has been named coordinator of the new two-year associate degree program in mining engineering technology at the Altoona Campus. Since 1948, Cosgrove has been associated with the Goodman Manufacturing Co. of Chicago, most recently as product sales manager in charge of marketing gold mining machinery and hard rock tunneling equipment. Previously he had surveyed gold fields in South Africa and had served as an engineering lieutenant in the South African army.

Faculty notes

Dr. Joseph Jordan, professor of chemistry, will spend the 1975-76 academic year traveling and on leave in Paris where he will conduct research at the French National Center for Scientific Research in cooperation with the staff of the analytical chemistry laboratory. In the spring of 1976, he also will serve as visiting professor at the University of Paris where he will teach two courses in the doctoral program. Before going to Paris, he will present a research paper at the fourth International Conference on Chemical Thermodynamics sponsored by the International Union of Pure and Applied Chemistry (IUPAC) in Montpellier, France. The paper is reported on by the doctoral student with Dr. Raymond Bury, a former post-doctoral scholar from the University of Paris who worked with Dr. Jordan at Penn State. In the fall, Dr. Jordan will go to Madrid, Spain, for the 28th IUPAC conference Sept. 2-11.

From Oct. 27-31, he will attend the third International Symposium on Bioelectrochemistry in Jülich, West Germany, where he will present a paper with Prof. Maurice Gross of Louis Pasteur University, Strasbourg, France. Prof. Gross also holds the position of adjunct professor of chemistry at Penn State where he and Dr. Jordan conduct a NATO-sponsored study of biochemical modelling. The NATO grant also provides for Drs. Jordan and Gross and their students to exchange visits throughout the year.

Dr. Jordan also will serve as the official IUPAC representative at the symposium and will present greetings from the Union at the opening meeting.

Thespians and appeared in a number of shows on campus.

Other roles include those of Lucy, played by Jody Brinley, a graduate student in music education; Peppermint Patty by Mia Dillon, a graduate of theatre arts; Linus, by Joel Gori, current graduate student in theatre arts; Snoopy by Jim Reed, an undergraduate in theatre arts.

The music director of the show is Ron Byron, undergraduate in music education, who also handles the role of Schroeder. Marc Field, a graduate student in theatre arts who has worked on a number of University Theatre productions, directs the show. And the choreographer is Janie Giotte, a theatre arts dance major.

In two decades at Hazleton, Kafka acquired many friends

He served campus and community

One of the pleasant hazards of retiring, for someone like Andrew K. A. Kafka, is the banquet. It's pleasant because the comments and speeches bring out the finer points of the honored guest; it's a hazard to the waistline.

Prof. Kafka has served the Hazleton Campus and the community of Hazleton for twenty years. He's acquired a host of friends and the respect of colleagues and students. The natural result was that when his plan to retire July 1 was made known, various groups began organizing a way to recognize and honor him, and usually it meant that a dinner was to be the occasion. Here is a partial list of groups that held banquets at which he was honored:

At the Hazleton Campus, colleagues, administrators, members of the staff, and representatives of the Hazleton Area Community.

At University Park, colleagues from all the Commonwealth Campuses and University Park, and deans of the College of the Liberal Arts.

By the Nursing School faculty of the State General Hospital at Hazleton, where he taught speech communication, reading, listening, and writing for ten years.

By the Greater Hazleton Alumni Club.

By the students at the Honors Awards banquet.

By the Great Books Society of the Lower Luzerne County where he has been moderator for nineteen years.

By the Student Parnassus chapter of the Keystone Society.

The list only serves to point up the involvement of a faculty member, especially one at a Commonwealth Campus, in a

Solar astronomer Hagen has retired

Dr. John P. Hagen, professor and head of the Department of Astronomy, retired July 1 with the rank of professor emeritus of astronomy. One of the world's leading solar radio astronomers, Dr. Hagen joined the Penn State faculty in 1962. Previously he was associate director for long-range planning of NASA; director of the Project Vanguard satellite program, the first major U.S. space effort; and Division Superintendent at the Naval Research Laboratory, Washington, D.C. He came to Penn State to initiate a graduate program in radio astronomy in the Department of Electrical Engineering. By 1965, he had established a full Department of Astronomy which offered bachelor of science, master of science, and doctor of philosophy degree programs.

In addition to the department structure, Dr. Hagen also planned and established the astronomical facilities at the University which are second to none in the state. The facilities include the Radio Astronomy Observatory with its 30-foot antenna, the optical observatory at Black Moshannon where there are 60-inch and 24-inch telescopes, and a 16-inch and two smaller telescopes for undergraduate instruction at Drey Laboratory.

Active in research as well, Dr. Hagen has used the facilities along with faculty and students to conduct a long series of observations and studies of the sun. These observations have yielded information on the nature of the solar chromosphere, the nature of solar flares and bursts, the relation between radio and optical effects, and the source of disturbances in the sun's atmosphere. In addition, he has led expeditions to Mexico and Mauritania to study solar eclipses. The expeditions produced new and surprising information about the sun and the solar atmosphere.

For his service to the nation, he has received the Presidential Certificate of Merit and the Distinguished Service Medal of the Navy. He has also received honorary doctoral degrees from Adelphi College, Boston University, Fairleigh University, Loyola University, and Mount Allison (in his native Canada).

He was graduated with a bachelor of science degree in physics and astronomy from Boston University, received his master of science degree from Wesleyan University and the doctor of philosophy degree in astronomy from Georgetown University.



At his last commencement at Hazleton Campus, Andrew Kafka, (right) as faculty marshal presided over the degree-granting authority to Campus Director Dr. William J. David.

variety of activities useful to the campus and community, in addition to classroom instruction. He taught many students in speech communication and English who ultimately became outstanding majors in those fields at University Park and in graduate schools. He was Campus Director to students both in their majors and in their extracurricular activities, and he worked with alumni.

"It's one of my pleasures that I still receive much mail from former students, widely scattered now throughout the country and the world," he declares.

Prof. Kafka was founder and advisor of the annual TruCounty Senior High School Oral Interpretation Festival, and he founded the Hazleton Campus festival for the campus students. He also founded and was advisor to the Hazleton Campus Library and Cultural Society, as well as the Students for a More Creative Society organization that publishes the campus literary magazine. He is faculty advisor and parliamentarian for the Penn State Alumni Club of Greater Hazleton.

Also in the community, Prof. Kafka was moderator of the Great Books Society, an adult community group, for 19 years, and was coordinator and frequent participant in the dramatics readings given by the group. (This is an activity he plans to continue in retirement.)

The Theatre of the Nine Muses, a regional group of the area's Arts League, has used him as literary and speech consultant, in producing such plays as Jean Giraudoux's "The Mad Woman of Chaillo" and "Media" by Euripides.

The list of speeches he has made to a wide variety of groups ranges from "What Makes Drama Dramatic" to "What Is The Reading Process?" And to help students develop their speaking skills, he conducted a campus Student Speech Bureau, so that undergraduates could line up (on invitation) talks before community groups like Kiwanis.

Various county and community speech and essay writing projects relied on him as judge, such as the National Forensic League, P.T.A., Penna. High School Speech League, Junior Chamber of Commerce, Soroptimist Society, Recreation groups, various women's auxiliary groups, National Association of Broadcasters, and many more.

In service on the campus, he was secretary for the Campus-Community Relations Committee, member of the Faculty-Tenure Evaluation Committee and of the Faculty Promotion Evaluation Committee, and was Faculty Marshal for Commencement Exercises for many years.

For Continuing Education, Prof. Kafka taught master's level courses and conducted one-day workshops for secretaries and other personnel on "The Role of Oral Communication in a Variety of Social Situations." And he taught nursing students through Continuing Education for a decade.

Prof. Kafka got to Hazleton via Boston University, University of Wisconsin, and Rider College. He earned his bachelor's degree at New York University, with a major in English, and was granted M.A. degrees by both Columbia University (educational guidance, and Brooklyn College, in English).

And now, having survived the banquet circuit, he will continue to live in Hazleton and continue to see students on the campus, through the various literary and speech organizations.

PENN STATE intercom

Volume 4, Number 47

August 7, 1975

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

News in Brief

BEHREND ROTC

An Army Reserve Officers' Training Corps program will be offered at Behrend Campus for the first time starting with the Fall Term, Dean of Students Dr. Thomas G. Fox has announced. Behrend is the sixth Penn State campus to offer the program, which is also given at Altoona, Delaware County, Ogontz, Schuylkill and University Park. Major Robert Morrell, instructor at University Park for three years, is organizing and directing the program.

MEDEX PROGRAM

Certificates were awarded to 19 students at the Hershey Medical Center last week signalling successful completion of the MEDEX program, a 15-month curriculum for physicians' assistants enabling them to carry out the work of a physician's extender. They had three months of classroom and clinical instruction at the Medical Center and 12 months of training with physician preceptors. This is the third MEDEX program, and it brings to 48 the number that have been trained at Hershey. Currently, 26 more are in training. The department of family and community medicine directs the program, which is funded by contracts from the National Institutes of Health. These assistants are trained to take patients' histories, perform physical exams, assist in laboratory studies, give injections, suture wounds, and perform other procedures, to give the physician preceptor more time to concentrate on more sophisticated diagnosis and treatment needs.

SHENANGO GRANT

A federal grant from the Office of Education in the amount of \$7,648 has been awarded to the Shenango Valley Campus to conduct two seminars to acquaint collegiate financial aid personnel with the latest information concerning grants and scholarships to students. The program is designed to serve the state of Ohio, Maryland, Pennsylvania and Western New York. The grant will be administered by Robert Tormin through the office of Continuing Education, Robert Hummer, assistant professor of business administration, will act

as Project Director and Clifton Sando, campus financial officer, will serve as basic resource person.

FOOD HANDLING WORKSHOP

With the aid of a National Science Foundation grant, the Agricultural Engineering Department is conducting a workshop on "Design Applications of Mechanical Properties of Solid Food Materials," today (Aug. 7) and tomorrow.

Thirty specialists in the design of machinery and equipment related to the handling of food materials from the field to the processing plant are taking part in the workshop, in which the mechanical properties of various foods and their applications to design of machinery will be discussed in 15 papers. Those attending are from 20 states and Canada.

HERSHEY STAFF

Fifty-five physicians have joined the house staff — to take further specialized training while helping to provide patient care — at the Hershey Medical Center. Seven are May graduates of the College of Medicine and two are alumni. In total, 137 physicians are currently on this staff. Nearly three-fourths of the new residents received M.D. degrees outside of the state.

FOLKLORE OPTION

A Folklore Option will be added to the program of the College of the Liberal Arts, complementing several existing majors and departments, including Comparative Literature and African, Slavic and American Studies.

Students entering the option will be able to choose a minimum of 24 credits from previously existing courses and one new offering.

The program will provide practical training for students entering such fields as social work, black studies, ethnic studies, anthropology, museum administration, and other professions relating to specific ethnic groups. The option is also intended to help preserve the folklore and cultural heritage of Pennsylvanians.

FREE PROGRAMS

The Graduate Student Association has been conducting a variety of programs
(Continued on page two)

Retirees Doggett, Weyl die

Leonard A. Doggett, who served on the faculty in electrical engineering for 26 years until his retirement in 1949, died Saturday, July 26, in Monroe County where he has resided in recent years. He received an A.B. degree in 1908 and an M.E.E. degree in 1910 from Harvard University, and in 1930 he received an E.E. degree from Penn State. He was an instructor at Harvard and later professor of electrical engineering at the post-graduate school of the U.S. Naval Academy for ten years before coming to Penn State. After his retirement, he served for four years at Bucknell University and the University of Florida. From 1950 to 1967 he was a senior and later staff engineer at Haller, Raymond and Brown, Inc. He was born in Boston in 1888. Among his many publications were three textbooks. He served on the State College Borough Council in 1939-41.

Dr. Waldemar A. Weyl, research professor emeritus of physical science, died Wednesday, July 30, in Centre Community Hos-

pital, State College. He was born in Darmstadt, Germany, June 13, 1901. He received the Diploma Ingenieur in 1929 from Darmstadt Technical University and doctorate in chemical engineering from Aachen Technical University in 1931. From 1926 to 1936 he was head of the department of glass research at what is now the Max Planck Institute. In 1936 he came to Penn State as a visiting professor of ceramics, for a year, returning then to Germany, but in 1938 he accepted the permanent position of professor of glass technology in the department of ceramics. In 1943 he became a U.S. citizen. From 1948 to 1960 he was chairman of the division of mineral technology, and in 1960 was named Evan Pugh Research Professor in Physical Science. He did research in solid state physics and chemistry, and his work led to a hundred papers and 14 patents, as well as a book on "Coloured Glasses," and contributions to other volumes. After his retirement in 1966, he served as distinguished visiting professor at American University, Cairo, for six months.

Smoking policy in effect Sept. 1

The following policy regarding smoking in University facilities concurs with the recommendations to President John W. Oswald by the University Council. The policy takes effect September 1, 1975.

The policy on smoking is applicable to all facilities of The Pennsylvania State University except the Milton S. Hershey Teaching Hospital, the Ritenour Health Center, the J. Orvis Keller Building, and the Nittany Lion Inn, each of which has special smoking regulations.

The general purpose of the University policy on smoking is to protect the rights of nonsmokers, to provide ample arrangements for smokers, and to take into consideration the appearance and maintenance of University facilities. In order to achieve this purpose, it is necessary to prohibit smoking on certain premises while at the same time providing designated areas in public facilities where a person can engage in smoking as set forth in the following regulations:

Smoking is permitted in the following areas:

1. Hallways where receptacles have been provided and where no contrary instructions have been posted.
2. Specially designated study areas, dining facilities, and public lounges.
3. Private offices and private laboratories, at the discretion of the assigned occupants.
4. Designated foyers and lobbies.

Smoking is not permitted in the following areas:

1. Classrooms and seminar rooms.
2. Study areas, dining facilities, and public lounges except in special segregated areas provided for smokers.
3. Auditoriums, museums, and exhibition galleries.
4. Laboratories.
5. Elevators and stairwells.
6. Indoor recreational areas.
7. Committee meeting and conference rooms.

Violations of the University Policy on Smoking are to be submitted to the scheduling officer of the campus concerned who will route the information to the administrative officer or to the academic dean of the unit against which the complaint is lodged. It is the responsibility of the appropriate administrative officer or academic dean to ensure that the policy on smoking is observed and to take corrective actions where violations occur.

Calendar—August 7-17, 1975

SPECIAL EVENTS

Thursday, Aug. 7 — Graduate Student Association outdoor program by the Buffalo Chipsticks, 7:30 p.m., Fisher Plaza at Kern Bldg.

Thursday-Sunday, Aug. 7-10 — Penn State Festival Theatre, "Giri Crazy," Playhouse Theatre, Tuesday-Saturday, at 8 p.m., Saturday matinee, 2 p.m., Sunday at 7:30 p.m.

Friday, Aug. 8 — Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

Friday, Aug. 8 — Behind the scenes of "Giri Crazy," 3 p.m., Playhouse Theatre.

Friday-Sunday, Aug. 8-10 — Penn State Festival Theatre, "Awake and Sing," Pavilion Theatre, Friday-Saturday at 8 p.m., Sunday at 7:30 p.m.

Friday-Saturday, Aug. 8-9 — Pennsylvania Ballet, "Recital for Cello and Eight Dancers," "In Retrospect," "Raymonda Variations," 8 p.m., University Auditorium.

Saturday, Aug. 9 — At ease with the Pennsylvania Ballet, "The Choreographer's Craft," 4 p.m., University Auditorium.

CALENDAR DEADLINE

Information is being collected now for the Fall Term calendar, to appear in the Sept. 4 issue of INTERCOM. The deadline for receipt of such information is August 20; send to INTERCOM, Room 312 Old Main. The calendar is related only to the University Park campus but a very limited number of events of unusual interest at other campuses may be included. A generalized seminar calendar is listed if departments plan weekly or bi-weekly programs, but only the day of the week, time and place will be listed, for reasons of space. Special events, including conferences of particular interest to the faculty, are welcomed.

Sunday, Aug. 10 — Interlandia Folk Dance Club, 7:30 p.m., HUB terrace (in case of rain, ballroom).

Sunday, Aug. 10 — Black Christian Fellowship worship service, 11:15 a.m., Eisenhower Chapel.

Tuesday-Saturday, Aug. 12-16 — Penn State Festival Theatre, "Awake and Sing," 8 p.m., Pavilion Theatre.

Wednesday, Aug. 13 — Pennsylvania Orchestra Shirt-Sleeve Concert, 8 p.m., University Auditorium.

Friday, Aug. 15 — Behind the Scenes of "Awake and Sing," 3 p.m., Pavilion Theatre.

Friday, Aug. 15 — Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

Friday-Saturday, Aug. 15-16 — Pennsylvania Ballet, "Adagio Hammerklavier," (Premiere to be announced), "Scotch Symphony," 8 p.m., University Auditorium.

Saturday, Aug. 16 — At ease with the Pennsylvania Ballet, "Rehearsal Studio to Stage," 4 p.m., University Auditorium.

Sunday, Aug. 17 — Black Christian Fellowship worship service, 11:15 a.m., Eisenhower Chapel.

LECTURES

Thursday, Aug. 7 — Material Sciences, Dr. Kazuo Kobayashi, National Industrial Research Institute of Kyushu, "Summary of Activities on Composite Studies," 11:00 a.m., Room 301 Mineral Industries.

Friday, Aug. 8 — Material Sciences, Dr. Kazuo Kobayashi, National Industrial Research Institute of Kyushu, "Summary of Recent Research Activities on Carbon," 11:00 a.m., Room 301 Mineral Industries.

Friday, Aug. 8 — Material Sciences, Dr. Theodore Davidson, Xerox Corporation, Rochester, New York, "Micromechanics of Deformation Yielding and Texture Development in PTFE," 2:00 p.m., Room 244 Deike.

(Continued on page two)



Council's gavel changes hands

Outgoing chairman, Oscar E. Fox (York Campus, second from left), of the Council of Assistant Directors for Residential Assistant Associate Directors for Academic Affairs, passes the gavel to incoming chairman Anthony J. Helt (Brewer Campus) with Dr. Robert G. Quinn (left), dean of academic instruction for Commonwealth Campus, and Joseph F. Douglas (far right, standing, looking on). The Council, composed of 10 to 12 members, is charged with maintaining clear lines of communication in academic affairs for the Campuses, held monthly or bi-monthly to establish methods for reducing problems related to scheduling, registration, class section size, student transfer, and faculty evaluation. The committee includes either an assistant or associate director for each of 15 campuses, and at its meeting invites staff members from University Park for consultative purposes. Dean Quinn and Dean Douglas meet regularly with the Council, some of whose members are in the background of the picture.

Rhodes stars in Ballet concerts

Lawrence Rhodes, universally acknowledged to be one of ballet's leading male dancers, will perform in two of the three dances by the Pennsylvania Ballet at 8:00 p.m. Friday and Saturday, August 8 and 9, in University Auditorium.

The program for the second Nittany Mountain Summer weekend will feature Mr. Rhodes in Robert Rodham's "In Retrospect" and "Recital for Cello and Eight Dancers" by Benjamin Harkavy, Pennsylvania Ballet artistic director. Completing the program will be George Balanchine's "Scotch Symphony."

In "In Retrospect," Mr. Rhodes, probably best known as a dramatic dancer, appears in a dramatic role, that of a man examining his past and reflecting on the relationships he has had with five different women.

CALENDAR

(Continued from page one)

FILMS

Thursday-Sunday, Aug. 7-10 — ARHS film, "Monkey Business," 8 and 10 p.m., Findlay Rec Room — GSA sponsored, outdoors, Fisher Plaza, 9 p.m. "War of the Worlds."

Wednesday, Aug. 13 — Commonsplace Theatre, "The Magic Christian," 7:30 and 9:30 p.m., Room 112 Kern.
Thursday-Sunday, Aug. 14-17 — ARHS film, "Go West," 8 and 10 p.m., Findlay Rec Room.

WPSX highlights

Monday, Aug. 11 — Water for the urban population is discussed on "Men Build, Man Destroys," at 7:30 p.m.

Monday, Aug. 11 — At 8 p.m., "Essence," a 90-minute film taken in an Anglican monastery in the Middle West, dealing with Christianity in the context of contemporary society.
Tuesday, Aug. 12 — At 8:30 p.m., the Kansas City Philharmonic performs Tchaikovsky's "Romeo and Juliet Overture" in an unusual setting, the Kansas City rock palace, for an audience of young people.

Wednesday, Aug. 13 — Robert Rimmer's drama, "The Ceremony of Innocence," based on the story of King Ethelred II, stars Richard Kiley, James Broderick and Larry Gates, on "Theatre in America," at 9 p.m.

Auditorium makes changes for large audiences

To accommodate large audiences attending performances at University Auditorium, Auditorium Management will open the Main Lobby one hour prior to curtain time. To facilitate the flow of traffic around University Auditorium, the driveway on the north side of the Auditorium serving Shortridge Road and the parking area at the rear of University Auditorium will be one-way entering the parking area, and the driveway on the south side of University Auditorium will be a one-way exit during performance times.

When the Auditorium parking facility is full, signs indicating the situation will be posted, and a series of directional signs will direct patrons to an alternate parking facility (Blue B) at the rear of the Agricultural Administration Building. Since the University Auditorium parking facility accommodates only 300 vehicles, it is suggested that patrons arriving at the University Auditorium as late as fifteen minutes prior to curtain time proceed directly to the alternate parking facility where ample parking space is available. This system is being instituted to avoid a last minute rush at the box office and to alleviate the inconvenience of late seating at the auditorium.

Staff vacancies

University faculty or staff members who are interested in any of the staff exempt or staff non-exempt jobs listed below may apply by calling Employment Division, 865-1387 (ext. 1076, line 425-1387). Do not contact the area having the vacancy. Applications will be accepted until 5 p.m.:

THURSDAY, AUGUST 14, 1975 UNDERGRADUATE STUDIES — DIVISION OF UNDERGRADUATE STUDIES — University Park

Assist with the conduct of the academic advising, informational support and counseling programs and services of the Division of Undergraduate Studies. Ph.D. with over 1 year advising experience or M.A. with 2 to 3 years advising experience plus some college teaching experience highly desirable.

CLINICAL NURSING SPECIALIST — Hershey Medical Center

Responsible to the Director of Nursing for providing expertise in a clinical specialty to the various patient units. Function as a model to other nursing personnel and students and improve clinical decision making and nursing practice. A Master's degree or equivalent in one of the fields of Nursing Clinical Specialties plus one to two years directly related experience.

ASSISTANT TO THE DEAN OF STUDENT AFFAIRS Mont Alto Campus

Responsible to and assists the Dean of Student Affairs, Commonwealth Campuses, with the general administrative duties of his office. On assignment, prepare special administrative and liaison tasks relating to Student Affairs programs, relating to Commonwealth Campuses. Coordinates student activities. Master's degree or equivalent plus one to two years of directly related experience.

ASSISTANT DIRECTOR OF NURSING FOR IN-SERVICE EDUCATION — Hershey Medical Center

Responsible to the Director of Nursing for the overall effective planning and administration of the In-service Education Program of the Department of Nursing. Master of Science degree or equivalent plus two to three years directly related experience.

Funding Opportunities

For procedural and funding source information, call 865-1372.

(185-1) Grants for education programs in occupational safety and health are supported by the Public Health Service (PHS). Both long-term and short-term training grants and direct traineeships are available. This information has been distributed. (Ref. 40FR 2070-6, 7/10/75)

(186-2) The Veterans Administration supports grants to assist in the education and training of professional and technical allied health personnel and to improve and expand health manpower distribution and utilization. Grant funds may be used for salaries, wages, supplies, and alterations and renovations of existing buildings for effective program purposes. Funds may not be used for ongoing operations, student assistance, construction of facilities, and research. The next deadline is Sept. 1, 1975. Proposals are accepted on a continuing basis. Program contact is Mrs. Martha Phillips, Director, Department of Medicine and Surgery, Manpower Grants Section, VA Medical Center, Washington, D.C. 20420 (202-688-8350). (VA program guidelines) (CFA 64-0003) (OPF deadlines)

(186-3) Proposals for the stimulation and support of research relating to the dissemination and productive use of scientific and technical information (STI), as defined by the Office of the National Science Foundation. About \$11 million will be available for the program. Proposals will be accepted in such ten categories: (1) STI for crisis management, (2) use of information files, (3) "data flagging and tagging," (4) resource sharing by abstracting and indexing services, (5) STI resource inventory, (6) STI to be selected for work, (7) computer assistance in use of STI, (8) innovative communications systems for small scientific communities, (9) video image transfer for STI dissemination, and (10) STI for cooperative education innovation. The proposal closing date for categories 1 through 7 is October 14, 1975, and for categories 8, 9, and 10, December 2, 1975. This information has been distributed. (Ref. NSF 75-23, July 1975, National and International Research, Office of Science Information Service)

(186-4) The United States-France Exchange of Science Program, funded by the National Science Foundation, has a 6-month deadline for 1975 application period. Program contact for information, guidelines and application forms is: Mr. Henry K. Schmitt, Program Manager, Office of International Programs, NSF, 1800 L Street, N.W., Washington, D.C. 20550 (202-632-5755) (Ref. OPF deadlines) (CFA 47-014)

(186-5) Advance notice of tentative priorities for exemplary programs and projects in vocational education has been given by the Office of Education. These priorities are: (1) demonstration of the NIE experience-based career education program, (2) further development and implementation of the NIE program in conjunction with an in-school cluster structure designed for occupational exploration, beginning preparation, and (3) expanding, improving, or newly developing cooperative vocational education and work experience programs (excluding those funded under PL 90-576). In addition, continuation costs may be provided for second or third-year demonstration projects. This information has been distributed. (Ref. 40 FR 30497, 8/18/75) (CFA 13-502)

(186-6) The Office of Education has set a Dec. 15, 1975 deadline for applications for Corps project preproposals and applications. Corps thrusts are emphasized competency-based teacher education, interdisciplinary training approaches, the training complex, training for implementing other

tailed experience plus graduation from an accredited school of nursing and current licensure in the state of Pennsylvania, or proof of application for licensure is required.

PROGRAM SUPERVISOR (STONE VALLEY RECREATION AREA, COLLEGE OF HEALTH, PHYSICAL EDUCATION AND RECREATION — University Park)

Responsible to Associate Director of Stone Valley for the coordination and direction of the year-round operation of the concession office, boat rentals, public use of a waterflood, lake cabins, etc. for public recreation purposes. Assist in selecting and training wage payroll personnel. Assist in performance appraisal, discipline and dismiss if necessary. Will be required to work Saturdays, Sundays and holidays. Associate will prepare or equivalent, preferably in Recreation and Parks, plus two to two and a half years directly related experience with the public. An understanding of outdoor recreation is necessary and knowledge of the operation of ground facilities is highly desired.

ASSISTANT EDITOR, PENN STATE ALUMNI ASSOCIATION — University Park

Responsible to the Executive Editor and Editor of the Penn State Alumni Association for the editing and illustrating of articles for various alumni publications, brochures, programs, solicitations and special meetings; handle advertising, special distribution of publications and files; supervise work of part-time editorial staff. Bachelor's degree or equivalent in Journalism or related area plus two to four years directly related experience in writing, editing, plus one year of experience in editing for print magazine or newspaper is required.

RESIDENCE HALLS AIDE — Capital Campus

Responsible to the Residence Living Program Director and the Residence Halls Supervisor for promoting the welfare of resident students, and overseeing the operation of the Residence Halls. High school graduate or equivalent study or training, plus one year of experience in residence halls, plus two years of directly related experience in business, or residence hall activity.

The University is an Equal Opportunity Employer.

native school designs, and training for the systematic adaptation of research findings. This information has been distributed. (Ref. 40 FR 3028, 7/18/75) (CFA 13-489)

(186-7) Undergraduate and Graduate

Security Act, grants are made to educational institutions for curriculum development, classroom instruction, and related field instruction and direct financial assistance to students enrolled in long-term training grants to institutions are available at the 75% rate for agency personnel, volunteers, service and other personnel, and for preparing for employment. Grant periods may be extended for three years. This information has been distributed. (Ref. 40FR 2551-16, 7/27/75) (Sec. 1102, 49 Stat. 67, 42 USC 1202)

(186-8) Proposed regulations for exemplary programs and projects to meet the educational needs of gifted and talented children and youth are being issued by the Office of Education. The regulations cover: scope and procedural information including preapplications; information development and dissemination; assistance in planning, development, operation, and improvement of programs operated by state and local agencies; training of state and local educators; leadership personnel training; and model projects. Comments on the proposed regulations should be submitted to the Office of Education by August 15, 1975. This information has been distributed. (Ref. 40FR3062-0, 7/22/75) (Sec. 404, PL 93-380, 20 USC 1662)

(187-1) The Emergency Energy Cooperative Administration Program of the OHEW Community Services Administration (CSA) is designed to support activities, technical assistance, assessment studies, alternate energy supplies, outreach activities, and demonstration of innovative and new technologies and related programs. This information has been distributed. (Ref. 40 FR 3162-04, 7/28/75) (Sec. 602, 78 Stat. 530, 42 USC 2942)

(191-2) Proposed regulations for OE's Modern Foreign Language Training and Area Studies programs have been issued by the Office of Education. The proposed rules cover: general provisions, doctoral dissertation research abroad, faculty research abroad, group projects abroad, foreign research, and consultation. This information has been distributed. (Ref. 40 FR 3167-24, 7/28/75) (CFA 13-438, 439-440-441)

(191-3) Student Originated Studies (SOS) program guidelines have been issued by the National Science Foundation. The program is a part of the three-part NSF Student Originated Program series and: (1) provides talented students with science (incl. eng. & social) learning opportunities, (2) increases the variety of instructional modes and student responsibility for planning, and (3) encourages students to apply technological expertise to societal problems. Guidelines for proposals is Nov. 10, 1975 to a March 1976 award date. Projects may be scheduled for a 10-12 week period between April 15, 1975 and May 31, 1977. The program is open to students in the 29 INTERCOM (181-2) are Undergraduate Research Program (URP) and Student Science Training (SST). Under the program, students may receive up to three programs have been distributed. (Ref. NSF 75-641, URP, 67-43, SST, 67-42, 67-43)

(191-4) National Endowment of the Arts (NEA) is sponsoring a program, Washington, D.C. 20506, to encourage the development of fellowships in jazz, folk and ethnic music. Awards will be made to composers and arrangers who are creating new works, or to artists who are developing, to instrumentalists and singers for career development, and to young musicians who wish to arrange tours. Grants are also available for institutions. For program information, contact performers. The application deadline is Oct. 1, 1975. For further information, write to address given above.

PENN STATE intercom

Volume 4, Number 48

August 14, 1975

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

Calendar

August 14-24, 1975



Leatrice Rhodes will be featured in the dance, "Adagio Hummerklavier," by Hans van Manen in the final performances of Pennsylvania Ballet at University Auditorium Friday and Saturday, Aug. 15 and 16, at 8 p.m. Tickets are still available at the Auditorium box office.

SPECIAL EVENTS

Thursday-Saturday, Aug. 14-16 — Penn State Festival Theatre, "Awake and Sing," 8 p.m., Pavilion Theatre.

Friday, Aug. 15 — Behind the scenes of "Awake and Sing," 3 p.m., Pavilion Theatre.

Friday, Aug. 15 — Commonsplace Coffeehouse, 8 p.m., Room 102 Kern.

Friday-Saturday, Aug. 15-16 — Pennsylvania Ballet, "Adagio Hummerklavier," (Premiere to be announced), "Scotch Symphony," 8 p.m., University Auditorium.

Saturday, Aug. 16 — At ease with the Pennsylvania Ballet, "Rehearsal Studio to Stage," 4 p.m., University Auditorium.

Sunday, Aug. 17 — Black Christian Fellowship worship service, 11:15 a.m., Eisenhower Chapel.

SEMINARS

Friday, Aug. 15 — Material Sciences, 11 a.m., Room 341 Deike. Dr. Harry Marsh, University of Newcastle, England, "The Origins and Industrial Relevance of Misophase in Carbonization and Graphitization."

Tuesday, Aug. 19 — Aerospace Engineering, 4 p.m., Room 232 Hammond. Robert A. Friday on "Teleoperator Dynamics and Control During Satellite Passivation."

Friday, Aug. 22 — Ceramic Science, 11 a.m., Room 301 Mineral Industries. Dr. Trevor F. Page, University of Cambridge, on "Deformation of SiC and SiN."

FILMS

Friday-Sunday, Aug. 14-17 — ARHS film, "Go West," 8 and 10 p.m., Findlay Rec. Room.

Saturday, Aug. 16 — Graduate Student Association outdoor film, "The Point," 9 p.m., Fisher Plaza (next to Kern Bldg.).

OFFICIAL

Wednesday, Aug. 20 — Classes end, 9:55 p.m.

Thursday-Saturday, Aug. 21-23 — Final examinations.

Sunday, Aug. 24 — Residence Halls close for Summer Term.

Saturday, Aug. 30 — Commencement, 10:30 a.m. Recreation Bldg.

For Exhibits, see page two.

Many faculty members had part in progress of society

ANS to celebrate 20th anniversary in meetings Aug. 17-20

The 20th anniversary of the American Nuclear Society (ANS), whose first meeting was held at Penn State in 1955, will be celebrated at the University Aug. 17-20.

Sponsored by the education division of ANS, the main feature of the celebration will be a meeting on "Nuclear Engineering Education — The Past and the Future." Purpose of the meeting is to place in perspective the development of nuclear engineering education, to reflect on past achievements, and to examine the role of nuclear engineering education in such areas as controlled fusion, non-power-producing advanced technologies, application of radiation and radioisotopes, public acceptance of nuclear power, and environmental aspects of advanced nuclear power systems.

ANS is the first wholly professional organization of scientists and engineers working in the atomic energy field. One of the group's major purposes is to foster the integration and advancement of nuclear science and technology through an inter-

change of information and dates in all branches of research.

The 30 members of the original ANS organizing committee included the late Dr. William M. Breazeale, professor of nuclear engineering at Penn State and designer of the reactor on campus which is named for him. Dr. Breazeale hosted the first annual meeting and was elected the first interim secretary of the society by the board of directors. Dr. Warren W. Miller, professor of chemistry and humanities, was local chairman of the first meeting.

Mortimer A. Schultz, professor of nuclear engineering at the University who worked for Westinghouse Electric Corporation when the society was begun, also was a member of the organizing committee. After being on the board for two years, he served as treasurer of the society. The charter membership included the directors of national and private laboratories engaged in the Atomic Energy Commission's five-year program of nuclear reactor development.

Penn State nuclear engineering faculty members who will be involved in the meeting include: Dr. Nunzio J. Palladino, dean of the College of Engineering, who will speak on the "Current Status of Nuclear Engineering Education," Dr. Edward S. Kenney and Dr. Alan M. Jacobs, whose paper on "Radiation Imaging—An Interesting Utilization of Nuclear Engineering Methodology" will be presented; Dr. Edward Klevans, who will serve as co-chairman of the "Controlled Fusion and Nuclear Engineering Education" session; Dr. William Jester, who will be co-chairman of the session on "Instructional Programs and Career Opportunities in the Application of Radiation and Radioisotopes," and Dr. Warren Witzig, head of the Department of Nuclear Engineering, who will speak on "American Nuclear Society Public Information Activities." Dr. Jester and Dr. Forrest J. Remick, assistant to the vice president for research, are on the technical program committee.

News in Brief

FOOD WORKSHOP

A workshop with the purpose of giving members of the University community — faculty, staff and students — a broad overview of current food-related issues, will be held Sept. 30-Oct. 1 at University Park, with speakers from many segments of the University discussing such topics as "Animals and Plants: Optimizing Life on a Small Planet," and "Are Food Shoppers Being 'Ripped Off' by Middle Men?"

All of the sessions will be held in the Kern Bldg. auditorium and will be open to everyone. The program is a continuing education extension program of the various Colleges of the University and will involve administrators, faculty members, and staff members in the discussions.

The overall theme of the workshop, the second to be held, is "Food and Your Future" and individual sessions have titles such as Food for Thought; Food and Your Environment; Food and Energy; Food and Your Income; Food and Your Health; and Food and Your Ethical Values.

BALLET, THEATRE

Nittany Mountain Summer activities conclude this weekend with performances by the Pennsylvania Ballet in University Auditorium Friday and Saturday at 8 p.m.; performances of "Awake and Sing" at Pavilion Theatre, Thursday through Saturday at 8 p.m.; the informal Behind-the-Scenes discussions of "Awake and Sing" Friday at 3 p.m. in Pavilion Theatre; and the discussion "Rehearsal Studio to Stage" with the Pennsylvania Ballet Saturday at 4 p.m. in University Auditorium.

STATISTICS LECTURE

Dr. C. A. Rao, director of the Indian Statistical Institute, president of the Biometric Society, and President-elect of the Institute of Mathematical Statistics, is currently at Penn State for a series of lectures which began Monday (Aug. 11) and will continue until August 21.

All lectures, which are sponsored by the Department of Statistics, are given in Room 217 Willard Bldg. at 1 p.m. on the following dates: Friday, August 15 and Monday,

(Continued on page two)

Oswald in Moscow

President John W. Oswald will present an invited paper dealing with graduate employment at the Sixth General Conference of the International Association of Universities on Thursday, Aug. 21, in Moscow. He will be one of approximately 330 chief executives from universities around the world attending the conference, which will meet from Aug. 19 to Aug. 25.

"Higher Education at the Approach of the 21st Century" is the general topic of the meeting. Dr. Oswald will discuss "Graduate Employment in Countries with Market Economies or Partially Planned Economies" at a session which will also hear a representative from a Communist-bloc nation with a centrally planned economy.

The International Association of Universities is the major international organization for institutions of higher education, and its Moscow meeting will be the largest and most representative in the history of the organization. About 40 American universities will be represented by their chief executives.

Artists series

Demand for season tickets for the Artists Series of 1975-76 is unusually heavy, and choice seats are nearly gone, so the Artists Series office advises those who intended, and put off, ordering season tickets to do so now. (For further information on tickets, brochures, or events call 814-865-1871 or stop in Room 203 Schwab Auditorium Monday through Friday, 9 a.m. to 3:30 p.m.)

The season opener, Friday and Saturday, Sept. 19-20, will be the moving, humorous and inspiring musical, "1776," which depicts the struggle of the architects of the Declaration of Independence. The performance Friday is for season ticket holders and the Saturday show is for the general public. Should any tickets for the Friday performance remain after the season ticket sale is concluded, they will be put on sale one week before the performance.

James Dunlop Dies

Dr. James W. Dunlop, professor of music education, died August 7 while serving as a guest director of bands at the University of Utah-Snowbird Summer Arts Institute near Salt Lake City. Conductors of Penn State's famed Blue Band for 29 years, Dr. Dunlop was former president of the American Bandmasters Association and gained many honors in his field during his tenure at Penn State, including the Citation of Excellence by the National Band Association in 1972 for "an outstanding contribution to bands and band music." He served as president of the Pennsylvania Music Educators Association and president and secretary-treasurer of the Pennsylvania Collegiate Bandmasters Association. Born in Tiooga County, he was a graduate of Mansfield State College, with a B.S. in public school music. He received an M.M. degree from the University of Michigan, in 1939, and was awarded an honorary doctor of music degree (hon. Sc.D.) from Penn State in 1964. He served in various capacities in high schools in Mt. Jewett, Emporium, and Farrell before being appointed assistant professor of music education at Penn State in 1947. He served in the U.S. Navy in 1944-46. He was 61.

Honors

Dr. Marshall W. Raffel, professor of health administration, was recognized recently by the Association of University Professors in Health Administration for his "distinguished service to education for hospital and health administration" while he served as director of the College of Human Development's Health Planning and Administration Program.

Dr. James L. Knestrick, assistant professor of social science and psychology at Capitol Campus, has been elected president-elect of the Division of Community Psychology of the Pennsylvania Psychological Association. He is coordinator of the master's degree program in community psychology at the Campus.

HUB Specials

Monday, August 16 — Lunch, knockwurst and salad, \$1.29; dinner, Chinese steak and peppers, \$1.39.
Tuesday, August 17 — Lunch, stuffed pepper, \$1.19; dinner, chicken, chili, \$1.39.
Wednesday, August 18 — Lunch, lasagne, \$1.39; dinner, veal, chicken, \$1.39.
Thursday, August 19 — Lunch, chicken reuben, \$1.29; dinner, beef, crock, \$1.64.
Friday, August 22 — Lunch, seafood croquettes, \$1.95; dinner, Italian shrimp and macaroni, \$1.39. The Terrace Room will close after dinner, Friday, August 22, and reopen in its new location in the HUB addition Tuesday, Sept. 2 for lunch.

EXHIBITS

Museum of Art — Linda Piotkin, "Belmont Court House" (copy of a Print), I. Gallery A. Five Pennsylvania Painters, Gallery B. Twenty paintings on wood panels from Allentown Museum of Art Samuel H. Kress Collection, Gallery C. Paintings from the Permanent Collection, Gallery C.

Kern Gallery — Nabil El Husseni, multimedia.

Hammond Gallery — Art exhibit by Rosalie Staley.

University Auditorium — Photographs of the Pennsylvania Ballet, by Richard Bitting. "Climbing Nittany Mountain Summer events, in lobby area.

Sackett Gallery (third floor) — First-year architecture student projects, "Systems," until Sept. 15.

Staff vacancies

University faculty or staff members who are interested in any of the staff exempt or staff non-exempt jobs listed below may apply by calling Employment Division, 865-1387 (Room Line 476-1387). Do not contact the area having the vacancy. Applications will be accepted until 5 p.m.

THURSDAY, AUGUST 21, 1975
FLEET TRAINING SPECIALIST, DEPARTMENT OF CONTINUING EDUCATION — University Park

Responsible for planning, promoting, and conducting courses for supervisors of the motor fleet duty in the areas of loss prevention, personnel, training and maintenance. Bachelor's degree (Master's degree preferred) or equivalent in related course of study; experienced supervisor from motor fleet or related industry with demonstrated experience in safety and training.

The University is an Equal Opportunity Employer.

Appointment

Dr. Timothy G. Vesonder, as assistant professor of English, Shenango Valley Campus. He is a graduate of St. Meinrad College in Indiana, received his master's degree from Carnegie-Mellon University, and obtained his Ph.D. from Penn State. He has taught at the Baden, Pa., high school and at Youngstown (Ohio) State University.

Dr. Jeffrey A. Kurland, as assistant professor of anthropology. He is a Cornell University graduate in philosophy and received his Ph.D. in anthropology from Harvard, holding a Woodrow Wilson Fellowship and a Harvard Graduate Fellowship. He is a specialist in primatology.

Three new assistant professors, all currently candidates for Ph.D. degrees, have been appointed by the Department of Economics. Gordon S. Bengtson, a graduate of the University of Washington at Seattle, is a doctoral candidate at Berkeley, where he obtained his master's degree. In 1967-68, he was in the Peace Corps in Brazil. Carol A. Leisenring is an Albion College graduate in mathematics and obtained her M.A. in economics at Michigan State, where she is currently working on her Ph.D. In 1968-70 she was a research assistant in the Federal Reserve Bank in Philadelphia. Willard E. Witte, a doctoral candidate at the University of Wisconsin, did his undergraduate work at the Madison campus of that university and also obtained his M.A. degree in economics there. He also has an M.A. in political science from Yale University.

Dr. Donald P. Lookingbill, as assistant professor of medicine, College of Medicine, and staff dermatologist at the Hershey Medical Center. A native of York, he served for the past year as chief resident in the department of dermatology at the Harvard Medical School and affiliated hospitals. He is a graduate of Lehigh University with a B.S. in chemistry, receiving the M.D. degree from the University of Pennsylvania School of Medicine. He was intern and resident at Strong Memorial Hospital in Rochester, N.Y., before serving two years in the U.S. Army.

Dr. Gerald J. August, as assistant professor of psychology at Shenango Valley Campus. He is a graduate of Central Connecticut State College, received his master's degree in educational psychology from Southern Connecticut State College, and was granted his Ph.D. in developmental psychology by Fairleigh University. He was a research assistant at Purdue.

Dr. Stephen J. Wallner, as assistant professor of horticultural physiology. A graduate of South Dakota State University, where he also obtained a master's degree in botany, he received his Ph.D. in plant physiology from the University of Wisconsin. He has been plant physiologist with the U.S. Army Natick Laboratory, Natick, Mass.

Funding Opportunities

For procedural and funding source information, call 865-1372.

(1915) August 14, 1975

(AM, E. C. Canvasser, Chair, Coordinator, Washington, D.C. 20505, 202-534-4444) Followed by craftsman and critics. The application deadline is Oct. 15, 1975. For further information write to: (1915) Ford Foundation offers fellowships for Black Americans, Mexican Americans, and Puerto Ricans interested in pursuing a career in higher education. Application deadline is Jan. 5, 1976. Black Americans should address inquiries to Graduate Fellowships for Black Americans, c/o National Endowment Fund, 735 Peachtree St. N.E., Suite 800, Atlanta, Ga. 30303. Mexican Americans and native Americans should write to Educational Training Service, Box 200, Berkeley, Ca. 94704. Puerto Rican students should write to Graduate Fellowships for Puerto Ricans, c/o Educational Training Service, Box 2822, Princeton, N.J. 08540.

(1917) National Center for Health Services Research Program reduces interest in Parkland Clinic, 5000 Fisher Lane, Rockville, Md. 20852) provides training grants for students seeking Ph.D. degrees to support them in their studies and research in the health services field. For further information write to address given above.

(1919) The Veterans Administration has liberalized its educational assistance and vocational rehabilitation program. Increases in monthly rates. Veterans studying full time are eligible to receive work study allowances. Tutoring and other educational fees are also available. This information has been distributed. (Ref. 40FR 31755-68, 7/29/75)

NEWS

(Continued from page one)

August 18, on "Statistical Modeling and Sampling" and Wednesday, August 20, and Thursday, August 21, "Characterizations of Distributions and Applications."

HOST CONFERENCE

The 20th annual National Public Policy Education Conference, to be held at Ciymer, New York, Sept. 8-12, will be co-hosted by Penn State and Cornell University, with Dr. Wesley R. Kriebel, professor of agricultural economics extension, and Dr. William Vegeley, head of the department of mineral economics, as speakers from Penn State. The conference is sponsored by the Farm Foundation, colleges of agriculture at state universities, and the U.S.D.A., will take up domestic food and farm policy issues and alternatives, world food issues and alternative U.S. responses, issues in energy and transportation, and the U.S. economic system. Participating in the workshops will be Dr. John W. Malone, head of the department of agricultural economics and rural sociology; William F. Johnston, professor of agricultural economics; and Peter H. Norton, assistant professor of agricultural economics extension, William M. Carroll, professor of agricultural economics extension, is a member of the 1975 Program and Conference Committees.

SCORE

Penn State students have submitted four entries in this year's Student Competitions on Relevant Engineering (SCORE) contest in Albuquerque, N.M. now in progress (Aug. 13-16).

About 40 teams from 30 colleges and universities throughout the United States and Canada will enter in this year's contest on the theme of "Energy Resource Alternatives (ERA)." The ERA competition was organized by SCORE to challenge the nation's top engineering college students to develop innovative energy conversion and power generating systems for homes and light industry using solar, synthetic gas, wind and other non-conventional energy sources.

SCORE, which focuses on significant contemporary problem areas where technological solutions are possible, was established in 1971 by the academic engineering community to encourage interdisciplinary design-hardware fabrication competitions to improve engineering education. SCORE is a non-profit corporation consisting of representatives from university, government, and industry. The organization previously sponsored the Urban Vehicle Design and Students Against Fires competitions. In the latter contest, a fireman's portable microfilm data retrieval system from Penn State was judged top entry.

Penn State's four entries in this year's competition will be: a wind rotor, a solar reflector, a solar collector, and a heat storage system.

(192-2) An index of the programs, resources and contact points at the federal level published to assist in transferring technology and knowledge is available in the directory of Federal Technology Transfer. Included are descriptions of each federal program, its research base, technology transfer policy and objectives, areas of responsibility, methods of dissemination, accomplishments, and user organizations. (Ref. Directory — NSF 75-402).

(192-3) Revised application instructions for research grants have been issued by the National Endowment for the Humanities. The instructions that research emphasizes importance of the work and the end product compared to fellowships granted solely for research and developmental goals. NEH requests that this information be noted by faculty. Research loans and editing have a Nov. 10, 1975 deadline for a July 1, 1976 start; general research grants, Oct. 1, 1975 deadline for a July 1, 1976 start; and centers for research a March 8, 1976 deadline for a Dec. 1, 1976 start. All these programs are on a semi-annual cycle for subsequent deadlines.

(192-4) Proposed rules for the Supplemental Education Opportunity Grant (SEOG) Program, the College Work Study (CWS) Program, and the National Direct Student Loan (NDSL) Program have been issued by the Office of Education. These proposed rules are the first on the new "annual-review" needs — analysis basis. This information has been distributed. (Ref. 40 FR 35359-44, 8/1/75) (CFDA 13.418, 13.463, 13.471).

(192-5) The Department of Defense's OMB Catalog of Federal Domestic Assistance is available from Dept. of Documents, U.S. Gov. Printing Office, Washington, D.C. 20540. This year's price is \$17.00 (not including a binder). CFDA binders are no longer available from either GPO or OMB. The OMB catalog is a good basic reference for all domestic federal programs and is highly recommended for use where funding source refer-

Firearms policy

President Oswald has directed that no change be made in the current University policy in regard to arming officers of the campus security force. He also asked those responsible to prepare for his review a report, including the following:

1. A review of the current security situation on the campus including the various safety problems encountered.
2. A study of the public safety policies at other universities of similar type, including the Ivy League, and the other State-Related Universities in Pennsylvania.
3. A review of the types of circumstances under which a change in policy should be considered.

The President at the same time expressed his appreciation, which he believes is shared by members of the University community, for the high quality of services provided by the Department of University Safety and for the understanding and respect they have engendered under the leadership of David E. Stormer, director.

In Writing

A research monograph of studies related to the physical training of mentally retarded children has been published by the College of Health, Physical Education and Recreation. The monograph, edited by Dr. Herbert M. Lundgren, professor of health and physical education, is entitled "Physical Education and Recreation for the Mentally Retarded." Included in the monograph are 10 studies conducted by physical educators and recreation therapists in the public schools, special schools, and institutions for the exceptional in the Commonwealth of Pennsylvania.

A study of "Henri Evenepoel: Book Painter in Paris, 1892-1899" by Dr. E. E. Hyslop, professor emeritus of art history, has been published by the University Press. Dr. Hyslop previously edited Evenepoel's correspondence. This book contains 52 illustrations which show the wide range of the short-lived artist's work. A student of Gustave Moreau and a classicist and friend of H.P. Adams, Evenepoel tried his hand at poster design, book illustration and printmaking in addition to painting.

Dr. Richard L. Gordon, professor of mineral economics, is author of "U.S. Coal and the Electric Power Industry," just published by The Johns Hopkins University Press for Resources for the Future, Inc.

In the book, Dr. Gordon surveys what is described as a neglected sector of the energy market, examining current theories of coal economics in the light of extensive discussions he had with both coal consumers in the electric power industry and with representatives of the coal industry itself.

Information is needed. In addition to program descriptions, purpose, and eligible applicant funding, past funding and contact information is provided.

(192-6) The National Science Foundation has announced a Dec. 15, 1975 deadline for its Scientists and Engineers in Economic Development Program. AIO funds will continue to support U.S. scientists and engineers who wish to apply their experience to economic development in developing countries. Research and education projects are supported, long-term collaborative research and development projects are encouraged, and increased capability at scientific and technical institutions sought. The program is administered by the Office of International Programs, NSF Washington, D.C. 20505 (202-625-7846) (Ref. NSF 75-220).

REMINER AND DEADLINE DATES

Sept. 10 for NSF Undergraduate Research Participation (May 29 INTERCOM #181-2) — Sept. 10 for SEA research in income maintenance and health insurance (July 17 INTERCOM #187-1) — Sept. 15 for NEA Programming in the Arts (March 29 INTERCOM #171-2) — Sept. 30 for IIE Graduate Study and Research Awards (March 29 INTERCOM #178-3) — Sept. 30 for AGLS study fellowships and grants-in-aid for humanities research (July 17 INTERCOM #186-6) — Oct. 10 for NSF Student Science Training Program (May 29 INTERCOM #181-2) — Oct. 1 and 15 for OE Student and Research Grants (Aug. 2 INTERCOM #181-8) — Oct. 15 for OE Cooperative Education Program (May 29 INTERCOM #185-1) — Nov. 10 for NSF Student Originated Studies Program (July 7 INTERCOM #191-3) — Oct. 15 for NSF Graduate Research and Research fellowships and applications (July 31 INTERCOM #192-2).

PENN STATE intercom

Volume 4, Number 49

August 21, 1975

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

suggestion for others from the campuses

Wolfs combine camping and arts at U.P.

Where can a family of five enjoy a weekend of quality theatre, dance, music, art and camping fun, all for \$87.45? Dr. Melvin Wolf and his family found the answer last weekend at Nittany Mountain Summer.

On Friday morning, Aug. 8, Dr. Wolf, professor of humanities and English at Capitol Campus, meticulously loaded the family trailer at his Mechanicsburg home, near Harrisburg, and set out for State College.

With his wife, Joan, and children, Mike, and Elaine, 10, Wolf pulled into Bellefonte KOA campground at noon. An

son, Stephen, a freshman at University Park, had no time in plunging into the weekend's activities. First stop was a

the Playhouse theatre to attend and the Scenes with "Girl Crazy." He joined the audience listening to and asking questions at the show's producer, choreographer, lighting designer and stage manager and were delighted when the entire cast of the show topped off the session with a run-through of "I've Got Rhythm."

The Wolfs appreciatively sampled the cuisine at Findlay Hall with son, Steve, and then, after returning Mike and Elaine to see a movie at the campground, proceeded to a performance of "Awake and Sing" — a production they hailed as "absolutely first-rate."

After a Saturday morning at the campground's swimming pool, the entire family took in a matinee of "Girl Crazy." At intermission, they spotted Jeremy Lawrence, whom they had seen on stage the previous evening as Ralph, and offered their congratulations on his performance.

"After he thanked us," Dr. Wolf recalls, "the lady standing beside him said, 'And the mother thanks you, too.'" She was enjoying a Nittany Mountain weekend herself.

The afternoon was capped by a visit to the Museum of Art to see the exhibit of Five Pennsylvania Painters."

Searching for one word to describe their weekend, Dr. Wolf comes up with "serendipitous." Their experience on Saturday evening at the Pennsylvania Ballet was certainly just that.



Elaine, Mike and Melvin Wolf and in doorway of trailer, Joan.

"When we took our seats in the center of the balcony," Wolf explains, "Joan commented that they were so good that she was certain that they would be where the President would sit if he attended the ballet. At that moment, Dr. and Mrs. Oswald came in and sat next down to us."

At intermission, the Wolfs were introduced to Dean Walter Walters, producer of Nittany Mountain Summer, who invited the entire family to meet the ballet company at a reception after the performance. The Wolfs were particularly eager to meet Robert Rodham, choreographer of "In Retrospect," which was on the program that night since they had greatly enjoyed his "An American Rhapsody" at a performance in Lancaster last year. The reception also gave them a chance to express their delight in the company to its artistic director, Benjamin Harkavy.

"Somehow, out of costume and off the stage, the dancers seemed much younger than when they were performing," Wolf notes.

Sunday the Wolfs took a respite from the arts to enjoy the campground and then a final lunch with son Steve before returning home that night.

Looking back, Dr. Wolf enthusiastically recommends a Nittany Mountain Summer weekend to other faculty families from the Commonwealth Campuses.

"The cost of this entertaining, edifying and educational weekend for our family of five was only \$87.45," he concludes. "The value was priceless."

AMITY seeking faculty response

Faculty and staff members wishing to participate in the AMITY program for incoming freshmen students are urged to return registration forms to the Office of Student Affairs as soon as possible so that students can be matched with host families.

The program, instituted two years ago, helps integrate Penn State freshmen into the larger community as well as into the campus community and provides the students with opportunities to become acquainted on a personal level with residents of the community.

Under the program, families or individuals offer to serve as host families for freshmen, with each family becoming acquainted with at least one student.

Persons who have received registration forms are urged to complete and return them to 105 Eisenhower Chapel. Others wishing to volunteer as host families may obtain registration forms by calling 865-6548.

Committee is named for Bicentennial project

An Academic Resources Committee of 14 faculty members has been named to aid Dr. Norman Graebner, project director for a major Bicentennial project entitled "Freedom: Then, Now, and Tomorrow."

Representing academic disciplines that relate to the project, especially those in the humanities, the committee will aid in providing Pennsylvanians with an opportunity to examine the nature of freedom in American society.

Specific duties of the committee are to assist Dr. Graebner in identifying distinguished scholars, humanists, and other personnel from Penn State as well as other colleges and universities who will participate in the project to assist in the development of a research instrument for determining public perception of freedom, and to assist the project director through advice and counsel on other aspects of the program.

Members of the committee include Dr. Kent Forster, professor of history and head of the Department of History; Dr. Roy C. Buck, professor of sociology and social science; Dr. John B. Frantz, associate professor of American history; Dr. Edward Keynes, associate professor of political science; Dr. Philip S. Klein, professor emeritus of American history; Dr. Ernest B. Lovric, assistant professor of religious studies; Dr. Harrison T. Meserole, professor of English; and Dr. Carl G. Vaught, associate professor of philosophy. All are faculty in the College of the Liberal Arts.

Also on the committee are Elmore Brown, director of the Cultural Center; The Reverend Charles L. Coleman, program director of religious affairs, the Eisenhower Chapel; Walton J. Lord, associate professor of history, the College of Arts and Architecture; and Charles H. Ness, librarian and assistant dean of public services.

Dr. Irwin Richman, program head of social sciences and professor of American studies and history at the Capitol Campus; and Martin Pernick, instructor of history in the Department of Humanities at the Milton S. Hershey Medical Center, complete the committee.

The project, a continuing education pro-

(Continued on page two)

Library study space

Members of the faculty who wish to obtain "Study Space Assignments" in Pattee Library for the Fall Term should note that the assignments will be made on a first-come, first-served basis Tuesday, Sept. 2, beginning at 7:45 a.m. in Room 106 Central Pattee. There are only 46 such spaces. Further questions should be directed to Cordelia Swin-ton, 865-5420.

Newcomers plan welcoming coffees

The Newcomers Club of the Faculty Women's Club at University Park is again planning a series of fall desserts to welcome new faculty and administration women and wives of new faculty and administration, and the cooperation of departments on campus to inform new faculty members of this organization and its welcoming program will be very much appreciated by Newcomers Club officers.

A complete schedule of these informal "desserts" and "coffees" will be issued later.

The Club wishes to introduce particularly that the invitation to new women on the faculty and staff and to wives of new faculty members applies equally to those transferring from one of the Commonwealth Campuses to University Park.

At these introductory programs, newcomers will learn a great deal about the community, the University, local organizations, and places of interest that will help the newcomer to get settled.

Further information may be obtained by newcomers already here by contacting Charlotte Murphy, 234-1405; Betsy Vogler, 237-5530; or Kathie Zeugner, 238-8501.

Theatre schedule set for 1975-76

The University Theatre's schedule of plays for 1975-76 will open with the Tennessee Williams' drama, "Summer and Smoke," in Pavilion Theatre, Oct. 9-11 and 14-18.

In all, six major plays plus the annual Jazz Dance Theatre concert next May will be supplemented by Five O'Clock Theatre Productions, Experimental Theatre, and Second Season Productions, all of which will be announced soon.

The schedule of major plays includes: Oct. 9-11, 14-18 — "Summer and Smoke," by Tennessee Williams, directed by Christopher Barnes, Pavilion Theatre.

Oct. 30-Nov. 1, Nov. 4-8 — "The Caucasian Chalk Circle," by Bertolt Brecht, directed by Knox Fowler, Playhouse.

Jan. 22-24, 27-31 — "Hay Fever," by Noel Coward, Playhouse Theatre.

Feb. 13-15, 19-21 — "Norton I the Emperor of the United States," a children's play by Thomas Splay and Helen Manfull, directed by Helen Manfull, Pavilion Theatre.

April 8-10, 13-17 — "The Balcony," by Jean Genet, directed by Manuel Duque, Playhouse Theatre.

April 29-May 1, May 4-8—Roger Cornish will direct a new theatre event celebrating the State's contributions to the Bicentennial, Pavilion Theatre.

May 12-15—Jazz Dance Theatre in Concert, directed and organized by Jean Sabatino, Playhouse Theatre.

Curtin Road closing begins

A one-block section of Curtin Road on the University campus, between Shortridge and Bigler Roads, will be closed to motor vehicle traffic, beginning Friday, Aug. 22.

David E. Stormer, director of University Safety, said the action is being taken to provide a pedestrian corridor for East Halls students to move from their residence halls to academic areas on central campus.

Closing of the one-block section to motor vehicles will eliminate traffic from one of four directions at the intersection of Curtin and Shortridge Roads, described as the worst on campus for pedestrian-motor vehicle conflicts.

University maintenance personnel have constructed necessary openings and roadways for parking areas affected by the Curtin Road closing.

A major change involves the Ag Administration parking area, Blue K, which no longer will be accessible from Cur-

tin Road. An access opening has been provided from Blue K to Blue A parking area at the rear of Animal Industries. Faculty and staff will be able to exit through the new access opening onto Shortridge Road and through the large Lot 80 parking area onto Bigler Road.

—Limiting access to the front of Pasture Research Lab. Persons will have to enter the parking area from the Computer Center.

—Limiting access to the loading dock of the Computer Center only from Bigler Road.

—Limiting access to Greenhouses from the University Auditorium parking area.

Stormer said that persons coming to work on University Drive who normally use Curtin Road to reach central campus should now continue on University Drive and enter the campus at Shortridge Road.

PENN STATE intercom

Volume 4, Number 50

August 28, 1975

An internal communications medium for the academic community of The Pennsylvania State University published weekly during the four terms of the class schedule

News in brief

GRAD IS JUDGE

For the first time in the 43-year history of the All-American selections, a woman has been chosen as a vegetable judge. She is a Penn State graduate, Lois A. Stringer, who is a horticulturist and vegetable breeder for the W. Atlee Burpee Seed Co., stationed at Burpee's Fordhook Farms, Doylestown. She will be evaluating the vegetable entries in the All-America Trials at Doylestown. She has been with Burpee Seed Co. for 18 years. All-America Selections is an educational, non-profit organization for testing seeds for prospective new varieties of vegetables and flowers.

RETIRED STAFF CLUB

The Penn State Retired Staff Club will hold its 172nd meeting Thursday, Sept. 4, at the Forestry Lodge at Stone Valley, with supper at 5 p.m., rain or shine. The cost is \$2.00. New retirees are welcome to come. Reservations must be made at least three days prior to the meeting; call Mr. and Mrs. Wilford Mills, 238-6278.

APPOINTED

The new insurance manager for the University, succeeding Wilson M. Carr,

who retired July 1, is James R. Gallivan, former manager of insurance and employee benefits at the University of Illinois. The insurance manager is part of the Office of the Vice President for Fiscal Affairs.

Gallivan, graduate of Illinois Wesleyan University, was a district representative for Sinclair Refining Co., and from 1956 to 1959 was administrative assistant to the director of health services at the University of Illinois.

SMALL CRAFT

The Recreation and Parks Program will offer a one-credit course for small craft safety instructors in the Fall Term.

Objectives of the course include teaching progressions, class organization and leadership, care and repair of equipment and facilities, analysis of student skills, demonstration of safe skills, safe supervision of classes and groups afloat, and technical knowledge researching small craft.

The course will include seminar presentations of material and laboratory application of skills and techniques.

Donald Jarrell, instructor in recreation, will serve as instructor for the course to be

(Continued on page two)

SEMINARS

Tuesday, Sept. 2 — Chemistry, 12:45 p.m., Room 333 Whitmore. Ivar K. Ugi, Technical University, Munich, Germany, on "Computers as a Deductive Aid in Synthetic Organic Chemistry."

Tuesday, Sept. 2 — Aerospace Engineering, 4 p.m., Room 232 Hammond. Dr. J. C. R. Hunt, Colorado State University, on "Turbulent Flow Round Bluff Obstacles — Theory and Experiment."

EXHIBITS

Pattee Library, Circulation Lobby — Art Education graduate students graphics. East Corridor Lobby, Cartoons; drawings by Harry Miller.

Cultural Center, Walnut Bldg. — Opening Sept. 2, exhibit of mixed media from "Natural Feelings," a group of Washington, D.C. artists.

Sackell Gallery — "Systems," works of first-year architecture students, through Sept. 15.

Museum of Art — Five Pennsylvania Painters, concluding Sept. 7.

WPXS highlights

Next week's WPXS-TV programming features the return of the popular TV Quarterbacks program for the fall season.

Each Wednesday, starting Sept. 3, Fran Fisher, Jim Tarnan and Joe Palumbo will be on hand (at 7 p.m.) to discuss last week's game, next week's opponents, and players and coaches. A new feature will be a report on the teaching duties of the assistant coaches.

A weekly feature is the answering of questions from viewers. Questions may be sent to TVOB, 201 Wagner Bldg., University Park, Pa. 16802.

Other WPXS highlights for the week include:

Soprano Beverly Silts on "Speaking Freely," Saturday, Aug. 30, at 6 p.m.

"The Creative Faculty," Sunday, Aug. 31, at 9:30 p.m., has Abram Sachar.

"The Life of Adolf Hitler," Tuesday, Sept. 2, at 10 p.m., includes extensive use of contemporary film footage and archive photos, in a 90 minute documentary.

Ruby Dee stars as Lorraine Hansberry in "Theatre in America" production of "Lorraine Hansberry: To Be Young, Gifted, and Black" Wednesday, Sept. 3, at 9 p.m.



Long before Kevin H. Tesdale (seated left) was born, John Henry Fritzell (center) had retired from the University faculty, having served a total of 38 years in two different periods, 1902-1920 and 1925 to 1945. So it was certainly an unusual event when Tesdale received the John Henry Fritzell Award from the man whom it honors. The award of \$500 is given annually to an outstanding undergraduate student enrolled in the field of liberal arts by the Pennsylvania Lambda Educational Foundation of Phi Kappa Psi fraternity. The recipient is chosen on the basis of scholarship, extra-curricular activities, and need. Helping in the ceremony were Dr. Stanley F. Paulson, dean of the College of the Liberal Arts, seated right, and in back row, state College Mayor Joe Hays, and another faculty retiree Frederick H. Leuschner, and Dr. John J. Romano, assistant dean for undergraduate studies in Liberal Arts. Mayor Hays and Leuschner represented Phi Kappa Psi Fraternity. Fritzell, who will be 94 in October, was speech department head and chaplain for many years; he continues to write a daily prayer for publication in the Centre Daily Times.

Oswald discusses education in Moscow

Long-range educational planning to meet America's manpower needs is largely futile, partly because of the "churning" nature of the economy, observed President John W. Oswald at an international meeting of educators in Moscow, U.S.S.R., last Thursday. He spoke as vice president of the Association of American Universities. He is also a former chairman of the American Council on Education.

More than 300 college presidents and other education officials attend the Sixth General Conference of the International Association of Universities and heard Dr. Oswald explain the way American schools and colleges feed graduates into the work force — by voluntary action.

"We continue to believe that free choice of individuals and diversity of approaches to education are basically efficient," he said, "and with minor exceptions efforts to set detailed patterns at this level would not be productive."

Japanese added to language offerings

With the aid of a grant from the Japan Foundation, classroom instruction in the Japanese language will be added to the curriculum of the East Asian Studies major this Fall. This will be the first time Japanese is taught on a regular basis at Penn State. Together with the program in Chinese it completes the offerings in the two major languages of East Asia in this program leading to a B.A. degree.

The courses will be taught by Miss Hisako Tanaka, who has been appointed assistant professor of Japanese. A U.S. citizen who had obtained both her pri-

(Continued on page two)

The debate that rages in the United States over education, Dr. Oswald indicated, is over the question of whether education should be work-oriented or knowledge oriented.

That debate tends to overshadow interest in the development of educational policy to meet current or anticipated manpower needs.

Furthermore, Dr. Oswald pointed out, there are factors in America's always changing life-style that make long-range educational planning exceedingly difficult if not impossible.

The content of jobs shifts rapidly and unpredictably, and retraining is basic to every trade and profession.

"We are convinced that we must educate people for change and be equipped to deal with change productively."

Even when imbalances of skilled people crop up — as shortages in the health care professions and engineering, or surpluses in the legal profession — America's response is to rely on an interplay of market forces rather than direction from a centralized body.

"Our traditional approach is to encourage voluntary action," Dr. Oswald said, and "to rely on price mechanisms set in a free market to adjust supply and demand for highly trained persons."

Nevertheless, Dr. Oswald acknowledged, the United States is moving, in some educational areas, toward a greater degree of planning than has heretofore obtained.

Especially in research, "universities will not be free to design readjustment without influence from the States and from the Federal Government . . . To accomplish this without introducing an unwelcome degree of governmental influence and control . . . will unquestionably be difficult."

(Continued on page two)

Calendar

Aug. 28—Sept. 7, 1975

SPECIAL EVENTS

Saturday, Aug. 30 — Commissioning exercises for R.O.T.C. programs, 8:30 a.m., Helen Eakin Eisenhower Chapel. Dr. Frederick H. Russell, speaker.

Saturday, Aug. 30 — Summer Term Commencement, 10:30 a.m., Recreation Bldg.

Tuesday, Sept. 2 — President Oswald addresses parents of incoming freshmen, 3 p.m., University Auditorium.

Tuesday, Sept. 2 — New Student Day, arrival of new freshmen, transfers, and other students coming for first time to University Park.

Tuesday-Friday, Sept. 2-5 — Orientation and advising.

Wednesday-Saturday, Sept. 3-6 — Registration, new intramural Building.

Wednesday-Friday, Sept. 3-5 — Tours of Pattee Library at various hours, meeting in Pattee Library lobby.

Thursday, Sept. 4 — Birmingham game, vs. University of Birmingham (England), 7 p.m., Jeffrey Field.

Thursday, Friday Sept. 4-5 — College of Human Development Nutrition Program, 4 p.m., Room 204, Human Development. Dr. Karl V. Guggenheim, Hebrew University, Thursday, on "Body Image of Adolescents and the Problem of Juvenile Obesity," and Friday, "Nutritional Health in a Changing Society — Studies from Israel."

Thursday, Sept. 4 — "Music of Black America," by Pearl Williams Jones, singer, pianist, and concert artist, 8 p.m., Schwab.

Friday, Sept. 5 — Introduction program for black students, 6:30 p.m., Cultural Center, Walnut Bldg.

Friday, Sept. 5 — Pre-season soccer tournament, 7 p.m., Jeffrey Field Union Bldg.

Saturday, Sept. 6 — HUB ballroom.

Saturday, Sept. 6 — Penn State Outing Club annual Mt. Nittany hike and supper, meeting at 1:30 p.m., HUB lawn.

Saturday, Sept. 6 — Graduate Student Association social, 8 p.m., Room 102 Kern.

Sunday, Sept. 7 — Free-U free movies and pizza, 9-11 p.m., HUB lawn.

Sunday, Sept. 7 — Outing Club circuit hike and State Trail System, 9 a.m.

Sep. 7 — Black Christian Fellowship service, 11 a.m., Cultural Center. Elder Gerald G. Loyd.

Death

Joseph T. Law, who served on the faculty in political science for 35 years before retiring in 1960, died August 17, in Olney, Md. He taught courses in American and state government, political parties, and constitutional government in his long career here. Previously he had taught at the University of New Hampshire and in high schools of Texas and Missouri. He served in the U.S. Army in 1918-19. He received a B.S. degree in education from Springfield (Mo.) State Normal in 1915 and an A.B. in history from Drury College the same year. He also received an M.A. in political science from the University of Wisconsin in 1921.

J. Martin Fry, retired director of Cooperative Extension Service, died August 16 in Lake Worth, Florida. He was 87. He retired June 30, 1953, after serving 35 years on the Extension Service staff. After teaching school and working in a bank, he enrolled at Penn State and was graduated in 1917, with a major in agronomy. He was named first agricultural agent in Northumberland County in 1918 where he served until 1924, when he became acting assistant director of Agriculture Extension work. The following year he assumed the position of assistant director. His duties at that time included college fair exhibits and Extension publicity. On October 1, 1942, Mr. Fry was appointed director of Extension, and continued until his retirement in 1953. As director he gave strong and tireless leadership to the many activities of the wartime Extension program, including Emergency Farm Labor, and to the postwar program. From 1928 until 1946, he served as secretary of the Pennsylvania Farm Show Commission. While director of Extension, he served for many years as a member of the committee of Extension Organization and Policy of the Land Grant College Association.

OSWALD —

(Continued from page one)

Dr. Oswald said that the problem of adjusting the output of educational systems to the needs of the people is world-wide and solutions hinge on prevailing social values in a given nation.

Thus, the aforementioned national debate, which touches almost every American family, is a play-out in microcosm of the debate that all societies face.

Are public needs best served by individuals who are broadly educated in response to their own desires and choices, or by individuals who are trained in practical, vocational skills?

In the United States, this debate, plus the "churning" nature of American technology, largely relies on long-range detailed planning, Dr. Oswald said.

Dr. Oswald spelled out American attitudes and practices on the employment of graduates as typical of nations with market economies.

But he pointed out that there are no clear lines separating the planning nations from the market nations. The former tend to rely on manpower forecasts; the latter on "personal choice enlightened by forecast information."

JAPANESE —

(Continued from page one)

many and secondary schooling in Japan, she is at present completing her doctoral dissertation with Tokyo University with the title "Traditional Japanese Ethical Thought and Women Writers of Meiji Japan."

Miss Tanaka comes to Penn State with a wide range of professional experiences. Since 1949 she has taught Japanese at such U.S. institutions as the University of California (Berkeley), Stanford University, the Overseas Program (Tokyo) of the University of Maryland, University of Illinois (Urbana), and University of Chicago. She also served 1957-60 as a translator with the U.S. Security Forces in Tokyo, and is currently Chicago Representative of the Japan-America Cultural Society, Inc. with headquarters in Tokyo.

Miss Tanaka is the author of several works in translation, both from English into Japanese and from Japanese into English, and has also published extensively in Japanese and English-language professional journals in the field of Japanese literature and society.

Hager retiring

Dr. Cyril F. Hager, associate dean for continuing education and director of the Center for Continuing Liberal Education in the College of the Liberal Arts, will retire Sept. 1 with the rank of professor emeritus of social studies. The Center was established in 1960 as a result of a proposal by Dean Hager to the Ford Foundation's Fund for Adult Education and a resulting grant of \$350,000.

Prior to his appointment to the Penn State faculty in 1958, Dean Hager was assistant director of the Foreign Service Institute of the U.S. Department of State and dean of its School of Foreign Affairs. A native of Marshfield, Wis., he received his bachelor of arts, master of arts, and doctor of philosophy degrees from the University of Wisconsin and also did post graduate work in classics at Cornell University. He began his academic career as an instructor in English and

NEWS —

(Continued from page one)

offered at 3:55 p.m. Thursdays and one period by appointment.

Additional information about the course is available from Jarrell, Room 267 Rec-Bldg., 865-1851.

MCKEESPORT PHONE

McKeesport Campus has acquired a new Pennsylvania Network number, 675-6930. This number is not generally available but can be reached from phones having the Network connection.

CAPITOL GETS GRANT

The Master's program in Public Administration at Capitol Campus has received a grant of \$49,346 for the school year 1975-76.

According to Dr. Daniel Poore, chairman of the program, the grant is from the U.S. Office of Education to establish or improve graduate public service programs. The money can be used to strengthen faculty, to expand programs of study, to cooperate with other graduate and professional schools, and to purchase or rent instructional equipment and materials. Already from the grant funds the program has hired Robert Munzinger as coordinator of the field-study program.

Such grants are given as part of the Public Service Education Portions of the Higher Education Act. For the coming year, the institutions of higher learning received awards.

SPORTS TENETS TO OPEN

As early as Penn State's football opener with Temple is this year (Sept. 6), it is not the first event on the Fall Term sports calendar. Thursday, Sept. 4, the University of Birmingham (England) soccer team will oppose Penn State at Jeffrey Field in a game at 7 p.m., then take part in a pre-season tournament the following evening, also at 7 p.m. The tournament, which will feature two other college teams, will be conducted with one-hour games, involving

speech at Utah State College in 1937-38 and then served as an assistant professor from 1940 to 1942 at Eastern Kentucky State College. During World War II, he was a director with the American Red Cross in India, Ceylon and China. Later he was commissioned a lieutenant colonel in the United States Air Force and served regular tours of active duty from 1950 to 1962. He joined the faculty of Michigan State University in 1944 as an assistant professor of communications and social science. The following year he accepted an associate professorship at Syracuse University where he became chairman of the Department of Public Address. From 1949 to 1956, he served as director of international studies and educational advisor to the commandant of the Air War College at the Air University in Montgomery, Ala.

Dean Hager is listed in "Who's Who in America" and since 1970 has been vice-president of the Axe-Houghton Foundation of New York City.

the first and second teams of Penn State and Birmingham as well. There is no admission charge, and this is a good chance to see a lot of fine soccer early.

COMMISSIONING PROGRAM

Eleven graduating seniors will also receive commissions in military services in a program Saturday, August 30, at 8:30 a.m. in the Helen Eiken Eisenhower Chapel. Col. Gerald F. Russell (ret.), assistant to the dean of the College of Health, Physical Education and Recreation, will give the commissioning address and the oath of office will be administered by the professors military, naval, service, and aerospace studies. One student will receive a regular commission as second lieutenant in the U.S. Army, four will receive commissions as second lieutenants in the U.S. Army Reserve, five will be commissioned as ensigns in the U.S. Navy, and one will be commissioned as ensign in the U.S. Navy Reserve.

PHYSICS PAPERS

Several faculty members and students from the Department of Physics presented papers this week at the 22nd International Field Emission Symposium at the Georgia Institute of Technology in Atlanta, Georgia.

Dr. Erwin W. Mueller, Evan Pugh research professor of physics, presented the opening paper on "Imaging in Field Ion Microscopy." He is also co-author of two other contributed papers with Dr. S. V. Khramov, a research associate, and S. Brooks McKelvey.

Dr. T. Tsong, associate professor of physics, is serving as chairman at the session of Field Desorption and Field Evaporation, and presented two papers with his students, doctoral candidates Gary L. Kellogg and Paul L. Cowan.

Dr. Osamu Nishikawa, associate professor of physics, and his students, Michael Martinka and Reza Saadat, doctoral candidates, also contributed a paper.

The annual symposium, which focuses on a field founded by Dr. Mueller, was held at Penn State in 1965 and 1973.

Funding Opportunities

For procedural and funding source information, call 665-1372.

August 28, 1975

(19-18) Award cycle of Office of Education funded research and demonstration grants have been announced. Field initiated studies applications are due by October 31, 1975 and student research has two cycles to Project, Written March 1, 1976. (Info 730) (FCSA 13-443).

(19-13) The NSF program Clinical and Human Value Inquiry of Science and Technology (EHVIST) has a Jan. 15, 1976 closing date for other projects. The EHVIST program supports research, education, public understanding projects in (1) impact of new developments in science and technology in the value of society, (2) impact of societal values on the development of science and technology, and (3) value leaders which unite with science and technology. Priorities include in-depth case studies, experimental summer workshops or Institutes, and national conferences or workshops. (Ref. 75-15-19)

(19-42) The Office of Federal Programs (OFFP) Washington, D.C. has issued a revised Proposal Development Handbook, updating the information for the past several years. The new handbook outlines items recommended for inclusion in proposals and mentions pitfalls to be avoided. The information is intended for use in conjunction with proposal writing information available through each campus research and development office. The handbook includes sections on:

preparatory steps, letter of intent, preliminary proposal, bid proposal, and bibliography. This information has been distributed (Ref. AASCU Proposal Development Handbook).

(19-43) Applications for the 1976-77 White House Fellowship program are due by Nov. 10, 1975. The program offers one year of full-time, high-level experience. Selection criteria include: leadership, intellectual and professional ability, high energy, and commitment to community and country. The program is administered by the President's Commission White House Fellowships, Washington, D.C. 20415. (Ref. CAU Rpts. 8/11/75)

(19-45) Ford Foundation (Inochina) Fellowship Awards, 1975 E. 42nd St., New York 17-1077 offers research and training fellowships to scholars who have left Cambodia, Laos or Indochina in 1975. The program is designed to support cultural sciences, humanities, and agricultural sciences. Applicant must be 25 or older, have at least a master's degree or its equivalent and must have been in the United States since 1975. Application deadlines are Aug. 23 and Sept. 15. For further information and application forms, write to address given above. (Ref. FO 75-21)

(19-46) National Science Foundation (NSF) - The National Science Foundation (NSF) 200 15th St., N.W., Washington, D.C. 20506 announces the availability

Staff vacancies

University faculty or staff members who are interested in any of the staff employ or staff non-employment jobs listed below may apply by calling Extension Division, 865-1857 (Network Line 43, 1387). Do not contact the area having the vacancy. Applications will be accepted until 5 p.m.:

THURSDAY, SEPTEMBER 4, 1975
RESEARCH AIDE, COLLEGE OF AGRICULTURE — University Park
Observe and collect data from department research projects, such as overseas egg collection, genetic classification of chicks, etc. Perform laboratory procedures, including incubation, pedigree hatching, classification of chicks, etc. Maintain records of procedures performed. A Master's Degree, or equivalent, in Zoology, Animal Biology or Statistics, and a minimum of laboratory experience, or a Bachelor's Degree, or equivalent in the above with less experience is required.

ASSISTANT HERDSMAN (HORSE HERDSMAN) — University Park
Oversee the feeding, watering and general care and maintenance of animals and livestock area supervising the mixing of feed, bedding of pastures and cleaning of stalls. Monitor and record feeding rates and management practices in accordance with individual animal performance. He is responsible for maintenance of health programs, attend to all parts of animal care, including stall or trail or refer sick animals to veterinarian, and administer proper preventative health program. A Master's Degree in animal science plus one or two years of experience is required.

COMPUTER OPERATOR, INTERCOLLEGE PROGRAMS — University Park
Operate computer console and input/output equipment; process computer jobs from submission by users; perform data backup operations; monitor system and maintaining alertness for error conditions. Two years of college mathematics is required. Familiarity with computer programming and operation of punched card equipment is desirable.

STAFF NURSE — HOSPITAL, STUDENT AFFAIRS — University Park
Responsible to the head Nurse, Hospital, for providing nursing care to patients in the hospital and emergency care to out-patients. High school graduation and formal accredited training and graduation from a nursing school is required. Good references must be obtained and have 5-12 months experience.

VETERANS OUTREACH ASSISTANT, STUDENT AFFAIRS — University Park
Responsible to the Coordinator of Veterans Affairs for implementing a publicity campaign designed to attract veterans to The Pennsylvania State University system and apprise veterans of the educational advantages of the Learning Support Program. Provide liaison for the Learning Support Center within University Park and among all Commonwealth Campuses. Bachelor's degree with one to two years effective experience in the field of Veterans Services. The employee should be an honorably discharged veteran with active duty status in the TEMPORARY university appointment.

COUNSELOR, STUDENT AFFAIRS — University Park
Responsible to provide various services to individual students to enable them to effectively adjust to the University environment socially, personally, and academically to the extent at which other services are indicated. A Master's degree in sociology or counselor education is required. Over 1 year up to and including 2 years of experience in the field of a directly related activity is necessary. TEMPORARY university appointment.

GRAPHIC ARTIST, UDIS — University Park
To prepare art work in the form of graphs, charts, illustrations, displays and technical drawings, and as slides, flipcharts, TV art, overhead transparencies, etc., for use primarily in the resident office. Associated with the Learning Support Program of a two year program from an art institute. Knowledge of electronic techniques and audiovisual aids is helpful.

The University is an Equal Opportunity Employer.

of \$2000 summer stipend awards for 1976. Applicants must be nominated by their college dean. Applications must be received at 317 Kern Graduate Bldg. by Sept. 30, 1975. Application forms and instructions may be obtained from college deans or at the address given above. Penn State is allowed to nominate one faculty member who is not a faculty member but has been in the field of research who received it in 1968 or later. Preference is given to individuals planning research on the history of science, technology, and society, and on social revolution. Fields covered include history, philosophy, languages, literature, archaeology and social science. The purpose of the awards is to foster research in the summer. For further information write to address given above. (Ref. FOTS-22)

(19-73) U.S. Department of Labor (U.S. Labor Dept.) Office of Secretary, Dept. of Labor, 200 W. Patrick Henry Bldg., Washington, D.C. 20301 announces deadlines for doctoral dissertation support grants: Sept. 1, Dec. 1, March 1, June 1. Average award is \$13,000/year. See also memo 75-13. For further information write to the address given above. (Ref. 75-22)

REMINER AND DEADLINE DATES
Sept. 10 to NSF undergraduate Research Participation (RPP) program. Sept. 15 to NSF grant for IIE Graduate Study and Doctoral Research Abroad (May 8 INTERCOM #178-5). Sept. 15 to ACLS study fellowships and grants-in-aid. November 1 to NSF grant for IIE Graduate Study and Doctoral Research Abroad (May 8 INTERCOM #178-5). Oct. 1 to NSF Student Science Research (NSF-20). Oct. 1 and Oct. 31 for OE Student Research and RAD Studies (Aug. 7 INTERCOM #191-8)



PENN STATE UNIVERSITY LIBRARIES



A000073315186